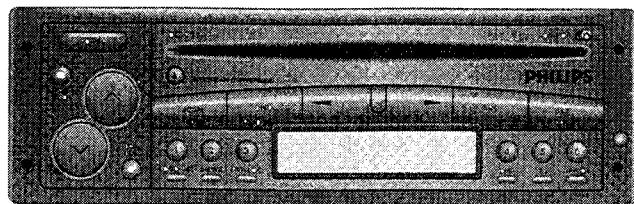


Service
Service
Service



For repair information of the CDM-9 Mechanism see
Service Manual of CDM-9 MOD-4 4822 725 23506.

Service Manual

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12 V

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CLASS 1
LASER PRODUCT

3122 116 03420



PHILIPS

Technical Specifications

General

Power Supply	: 10.5 - 16.0V
Quiescent Current	: 1mA
Fuse	: 10A (DC942) 7.5A (DC932)

Radio

FM	: 87.5 - 108MHz, grid : 100kHz (manual/search)
LW	: 144 - 288kHz, grid : 1kHz (manual/search)
MW	: 522 - 1602kHz, grid : 9kHz (manual/search)
SW	: 5950 - 6250MHz, grid : 1kHz (manual/search)
IF	: 10.7MHz
Search Tuning Time	: 5 seconds (AM/FM)
α - 3dB	: $5 \pm 2\mu\text{V}$
FM sensitivity for 30dB S/N	: $\leq 5\mu\text{V}$
MW sensitivity for 26dB S/N	: $\leq 150\mu\text{V}$
LW sensitivity for 26dB S/N	: $\leq 190\mu\text{V}$
SW sensitivity for 26dB S/N	: $\leq 125\mu\text{V}$
SNR FM	: $\geq 56\text{dB}$
SNR AM	: $\geq 46\text{dB}$

CDM9

Frequency	: 30 - 16kHz
SNR	: 75dB
Distortion	: 0.5% at 1kHz
Channel crosstalk	: 30dB at 1kHz

Amplifier

Output Power (D=10%)	: $4 \times 7\text{W} \pm 1\text{dB}/4\Omega$ (DC932)
	: $4 \times 20\text{W} \pm 1\text{dB}/4\Omega$ (DC942)
Loudness	: $\pm 6\text{dB}$ at 60Hz
Bass	: $\pm 20\text{dB}$ at 60Hz
Treble	: $\pm 8\text{dB}$ at 10kHz
Channel Separation	: $\geq 40\text{dB}$
Line out	: $500\text{mV} \pm 2\text{dB}$

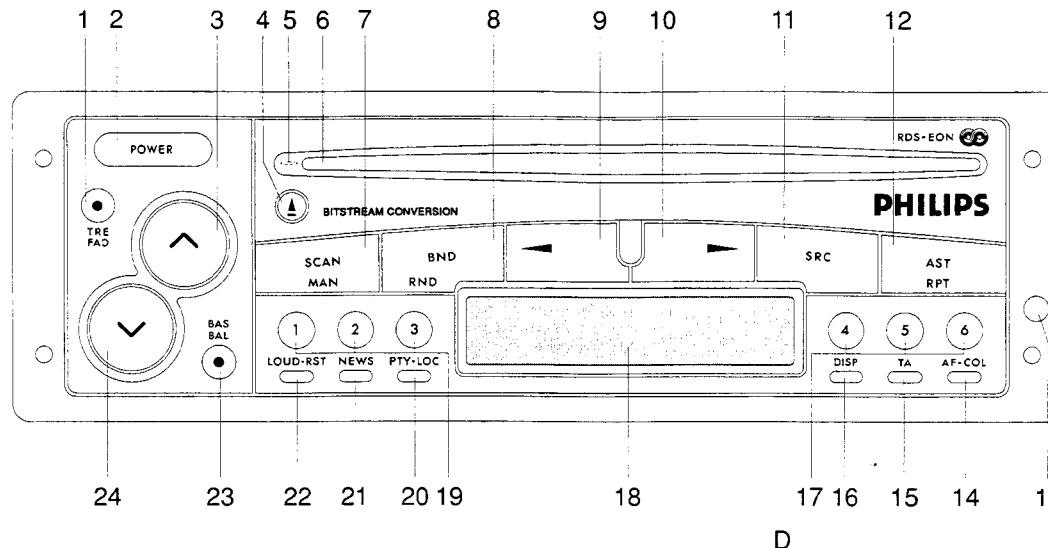
WARNING



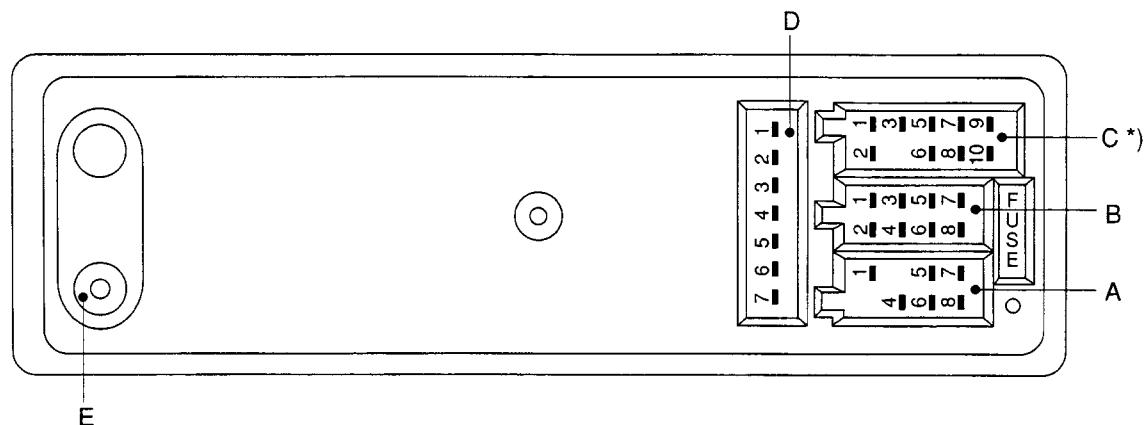
All ICs and many other semi-conductors are susceptible to electrostatic discharges (ESD). Careless handling during repair can reduce life drastically. When repairing, make sure that you are connected with the same potential as the mass of the set via a wrist wrap with resistance. Keep components and tools also at this potential.

Controls

1. Treble Fader	Brief press : Adjustment with \wedge and \vee Long press : Adjustment with \wedge and \vee
2. Power	Set on/off
3. \wedge	Audio Mode Control Up
4. CD Eject	
5. CD Opening Indicator	
6. CD Opening	
7. Scan/Manual Radio mode	Brief press : Search and tuned for 10 sec on the preset in the current waveband. Long press : For manual tuning with \wedge and \vee
CD mode	Select and play each track for 10 sec.
8. Band/Random Radio mode	Select waveband
CD mode	Play the disc in a random order
9. Button Up	
10. Button Down	
11. Source	Brief press : Source select Long press : To enter 'INIT' mode
12. Autostore/Repeat Radio mode	Automatically store the best 6 station on the current waveband (except SW)
CD Mode	Repeat Function
13. Button Release	
14. Alternative Freq. Colour	Brief press : Set Continuously check a list of alternating frequency for the tuned radio frequency system and continuously select the best frequency. Long press : To change the colour
15. Traffic Announcement	Traffic announcement on/off
16. Display	
17. Preset 4 - 6	
18. Liquid Crystal Display	
19. Preset 1 - 3	
20. Program Type Local	Long press : Set can detect and select the type of programme being transmitted. Brief press : Radio search for strong station and then weak station.
21. News	Priority given to news bulletins
22. Loudness Audio Reset	Brief press : To increase the high and low notes at low volume setting. Long press : To reset the treble, bass, fader and balance setting to their mid-position.
23. Bass Balance	Brief press : Adjustment with \wedge and \vee Long press : Adjustment with \wedge and \vee
24. \vee	Audio Mode Control Down



D



D

C *)

B

A

E

Connections

A1	: Telephone Mute	C1	: D2B GND
A4	: Permanent Plus	C2	: D2B+
A5	: Auto Antenna	C3	: D2B-
A6	: External Illumination	C5	: CDCC Supply
A7	: Ignition on-off	C6	: GND
A8	: Power GND	C7	: Switched +
B1	: Rear Right +	C8	: Line-In Right
B2	: Rear Right Return -	C9	: Line-in Left
B3	: Front Right +	C10	: Line-in Gnd
B4	: Front Right Return -	D1	: Remote Plus
B5	: Front Left +	D2	: Booster Detect
B6	: Front Left Return -	D3	: Line-out GND
B7	: Rear Left +	D4	: Line-out FR
B8	: Rear Left Return -	D5	: Line-out RR
		D6	: Line-out FL
		D7	: Line-out RL
		E	: Aerial Connection

*) Block C only applicable for DC942

Service Hints

Detachable Front unit

The detachable front unit is part of the car Radio. Hence it is necessary that the customer always bring the complete set (with detachable unit) when service is needed. This statement was also printed in the Instruction For Use.

Power IC stage

It is necessary to remove the main pcb from the frame assembly if you need to change any power IC stage component. See Tuner Module IC91 Grounding (Figure 1) before removing frame assembly.

Software

The software of the set is splitted into two Parts : one in the front microprocessor and the other one in the main microprocessor. Make sure when changing a front or main microprocessor that both main and front are software compatible.

Software compatibility between front and main microprocessor can be verify by reading the 'checksum' of the microprocessor (main and front). A table stating the different checksum related to the software release and compatibility will be issued regularly in service newsletters.

To read the 'checksum' of the microprocessor (main and front):

Power on the set, press simultaneously the preset 1 and preset 6 keys. Two 4 digits number appear on the display :

first 4 digits : checksum of main microprocessor

second 4 digits : checksum of the front microprocessor

You will have to wait for about 5 second before the set goes back to the normal mode. Power off and on the set will also reset the set to the normal mode.

General

Switch off power supply before connect and disconnect CDM 9 module and set to prevent short circuit.

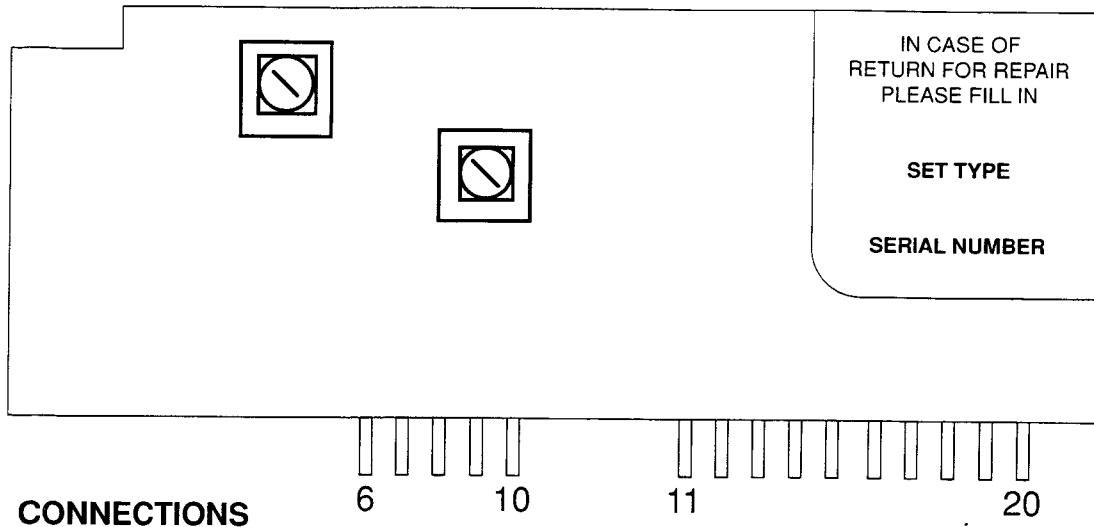
Do not try to load or eject when CDM 9 is in upside-down position, only play functions are possible.

Extension cables for CDM 9 are not available as service parts. You can build these by using the coded cable assy, item 21 (4822 321 62188).

For more information about the RDS-feature use the computerbased training course RDS, which is available at Philips Consumer Service.

Contact Philips Consumer Service
I.S.C. Training
Building SBP 6
P.O. Box 218
5600 MD Eindhoven
The Netherlands
Tel : 31-40-736294
Fax : 31-40-733553
Telex : NLMEVAB

TUNER MODULE IC 91



CONNECTIONS

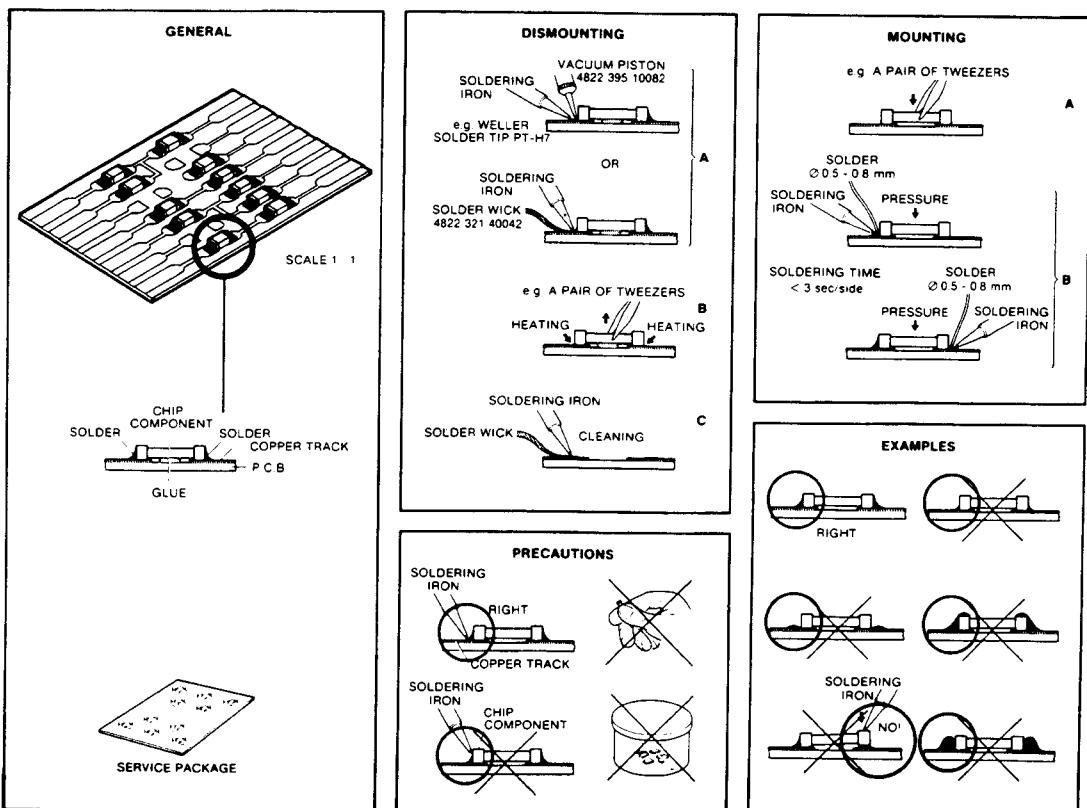
6 10 11 20

1 - 5 NO CONNECTIONS	13 SDA
6 INLOCK_DET	14 SCL
7 VCC 8.5V	15 PACS_OFF
8 V_REFERENCE	16 RADIO_LEFT
9 V_REFERENCE	17 RADIO_RIGHT
10 REF_LEVEL	18 GROUND
11 MPX_RDS	19 NO CONNECTION
12 MULTIPATH	20 NO CONNECTION

DO NOT OPEN AND TRY TO REPAIR MODULE YOURSELF!

**Send defective modules to Philips Consumer Service in Eindhoven,
according to the Central Repair procedure.**

HANDLING CHIP COMPONENTS



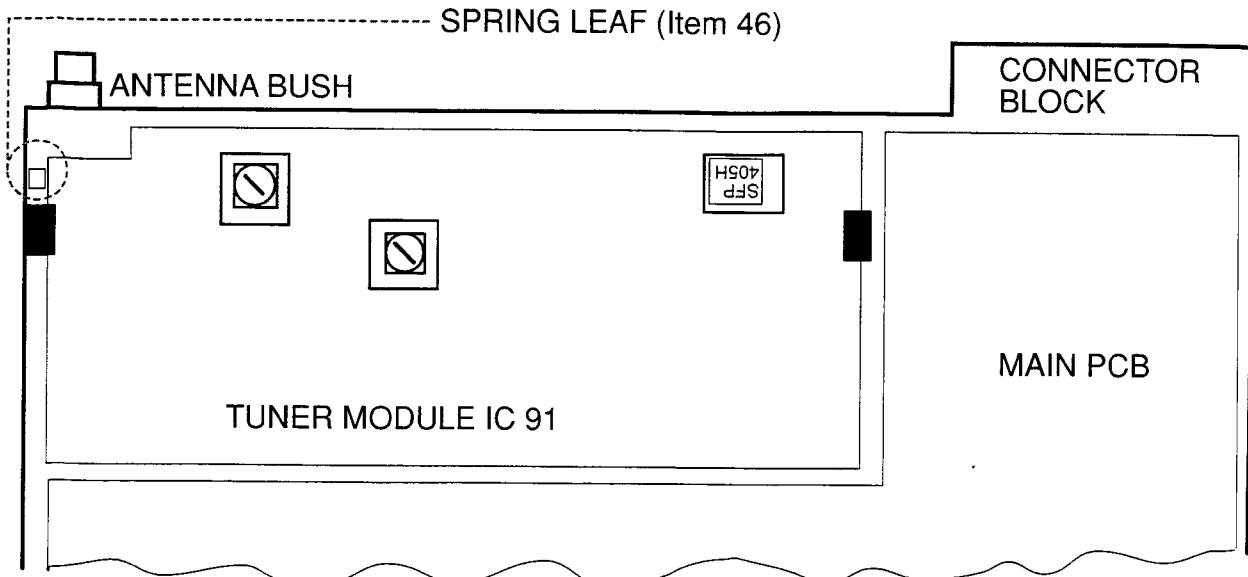
27 012C12

CHECK TABLE

For more information see general information " General alignment procedures for car radio"

Check	SK				Setting of controls	
30 dB SNR	FM	93 MHz, 5 μ V $\Delta f = 22.5$ kHz f mod. = 1 kHz				 0 dB (775 mV)
		93 MHz, 5 μ V $\Delta f = 22.5$ kHz without mod.				 ≥ 30 dB
26 dB SNR	MW	1053 kHz, 150 μ V 1 kHz, 30% AM				 0 dB (775 mV)
		1053 kHz, 150 μ V without mod.				 ≥ 26 dB
26 dB SNR	LW	207 kHz, 190 μ V 1 kHz, 30% AM				 0 dB (775 mV)
		207 kHz, 190 μ V without mod.				 ≥ 26 dB
26 dB SNR	SW	6100 kHz, 125 μ V 1 kHz, 30% AM				 0 dB (775 mV)
		6100 kHz, 125 μ V without mod.				 ≥ 26 dB
SNR FM	FM	93 MHz, 1 mV $\Delta f = 22.5$ kHz f mod. = 400Hz				 0 dB (775 mV)
		93 MHz, 1 mV $\Delta f = 22.5$ kHz without mod.				 - 56 dB
SNR MW	MW	1053 kHz, 10mV 1 kHz, 30% AM				 0 dB (775 mV)
		1053 kHz, 10mV without mod.				 - 46 dB
SNR LW	LW	207 kHz, 10mV 1 kHz, 30% AM				 0 dB (775 mV)
		207 kHz, 10mV without mod.				 - 46 dB
$\alpha - 3$ dB	FM	93 MHz, 1 mV $\Delta f = 22.5$ kHz f mod. = 400 Hz				 0 dB (775 mV)
		93 MHz, 5 μ V $\Delta f = 22.5$ kHz f mod. = 400 Hz				 - 3 dB

TUNER MODULE IC91 GROUNDING



Item 46 spring leaf serve as an electrical grounding for Tuner Module IC 91. It will **drop out** when you remove the frame assy . Remove spring leaf before removing frame assembly from the main pcb to prevent it from dropping out. It is necessary to assemble back the spring leaf after repair.

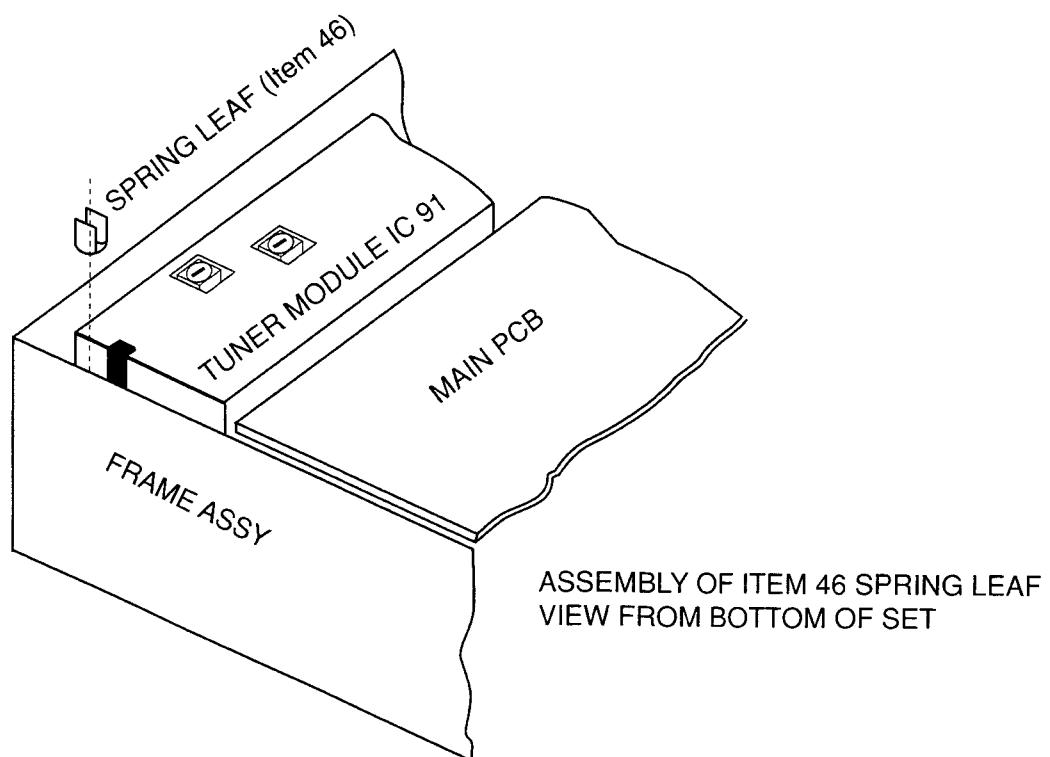
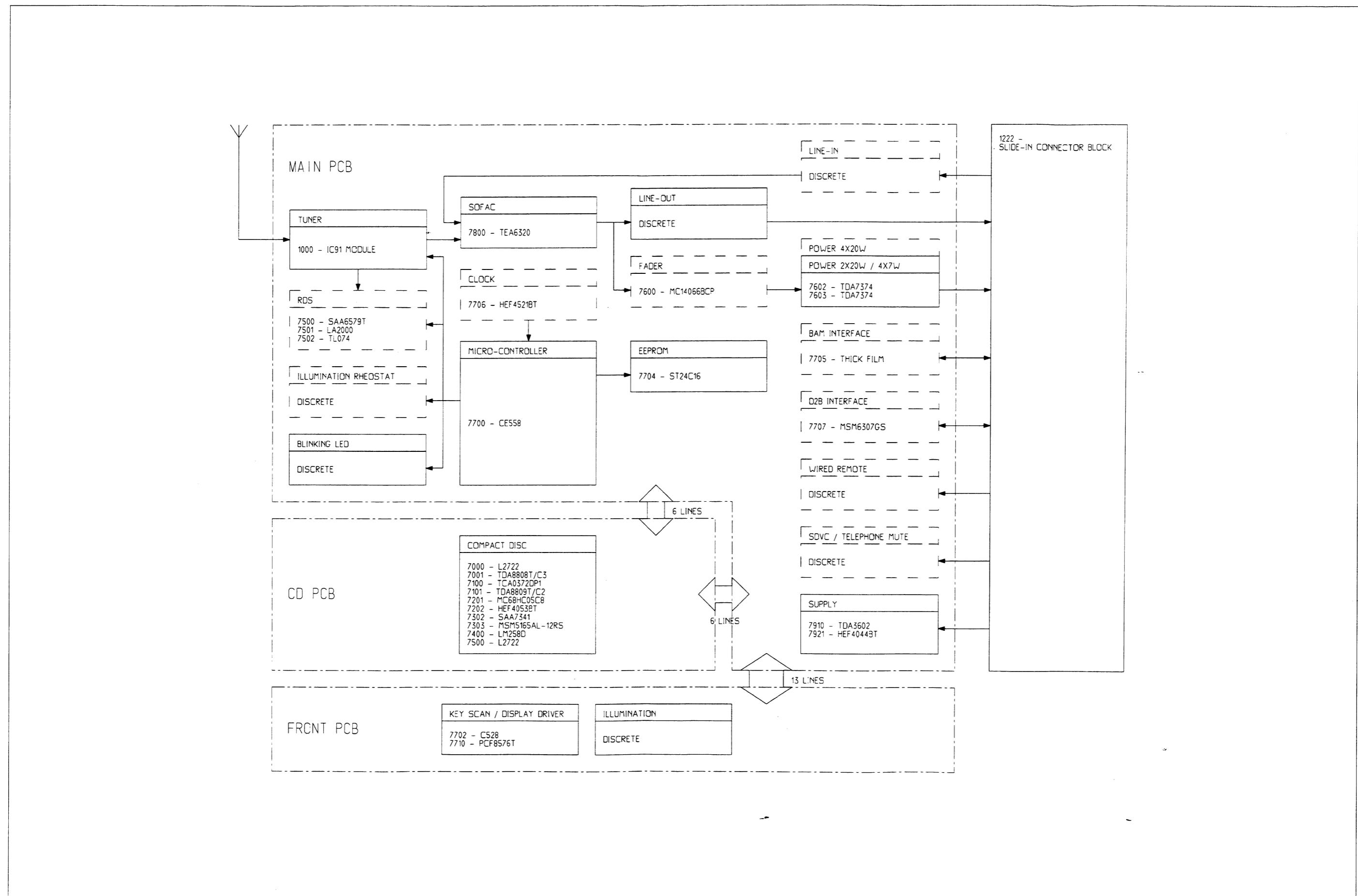
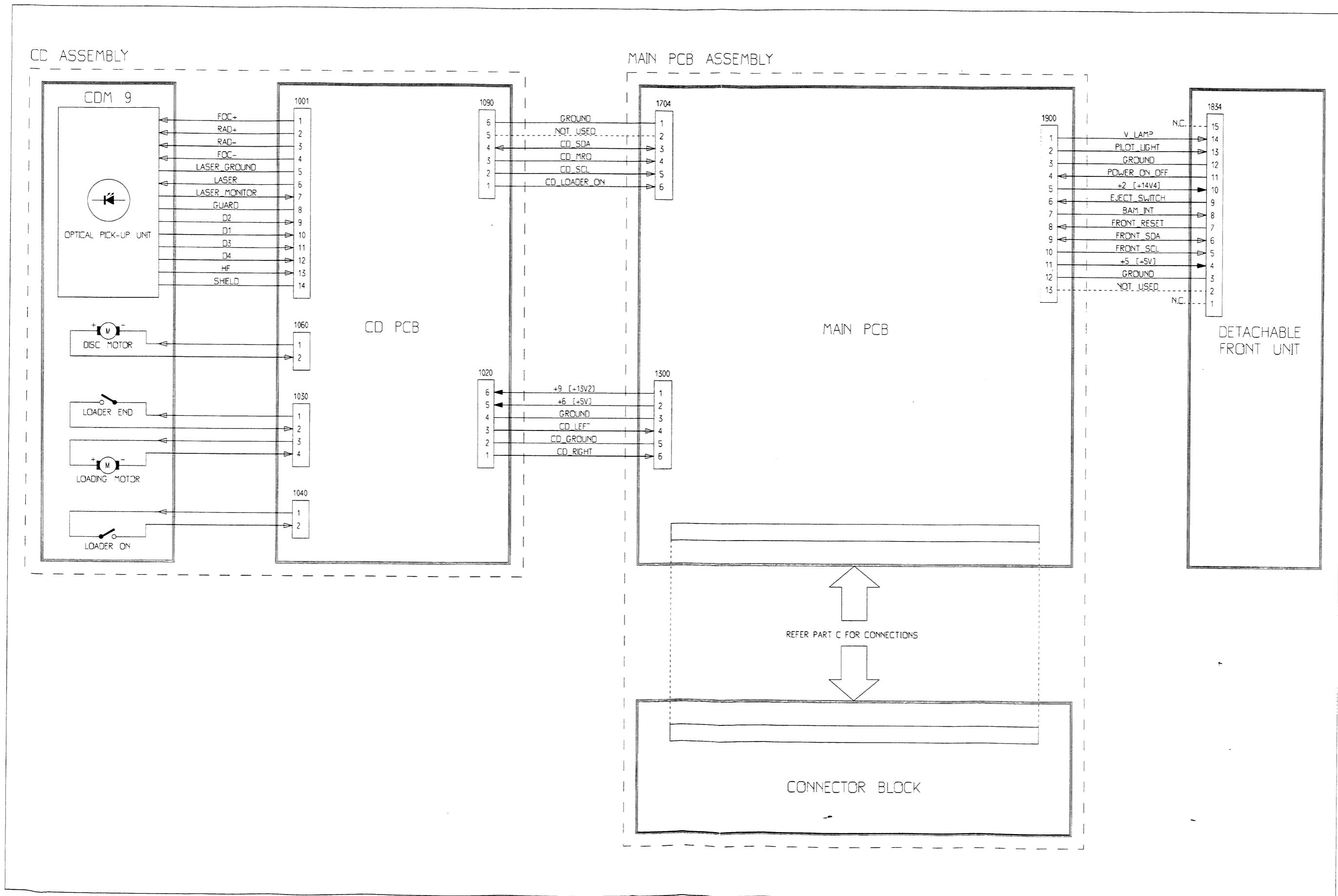


Figure 1

PART A : ELECTRICAL ARCHITECTURE

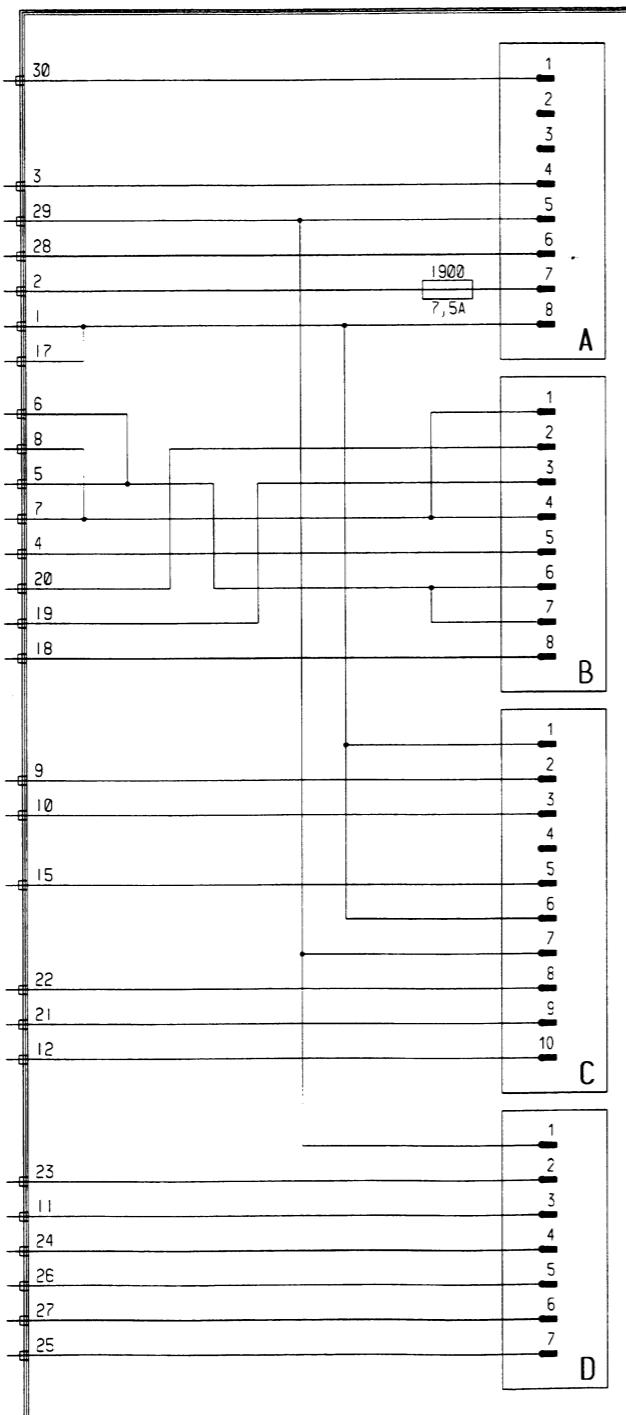


PART B : WIRING DIAGRAM



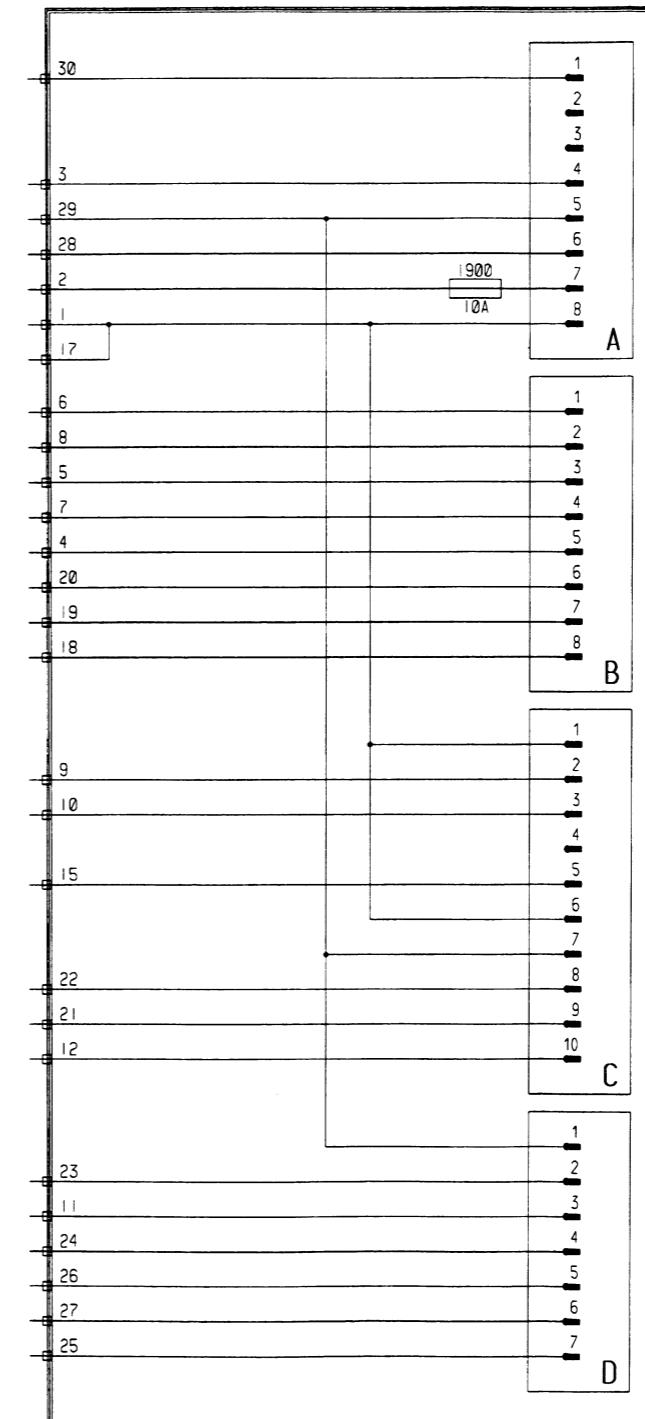
PART C : CONNECTOR BLOCK

DC932 4X7W / 2X20W CONNECTOR BLOCK



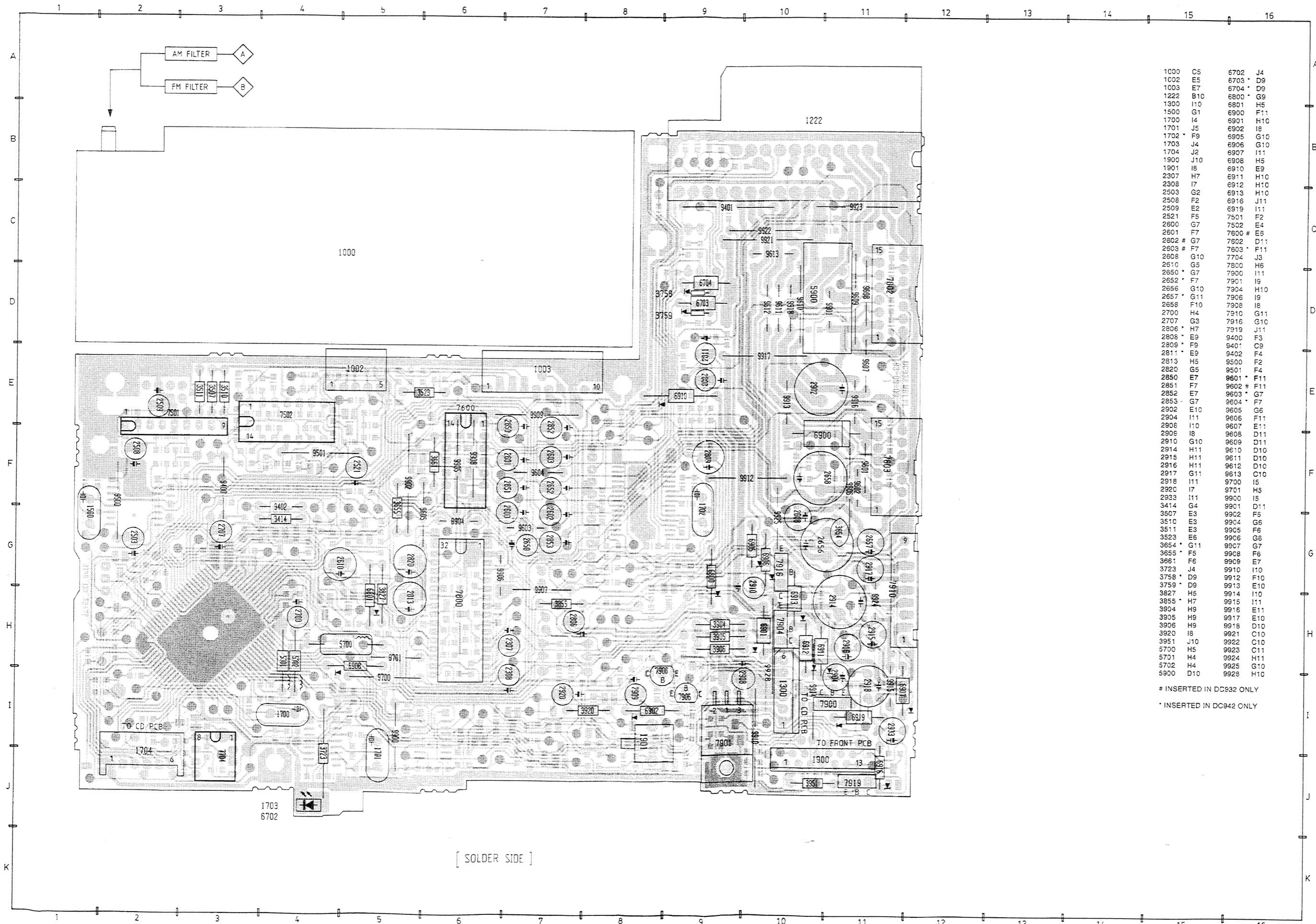
FOR DC932/00, DC932/31B (4X7W ONLY)

DC942 4X20W CONNECTOR BLOCK

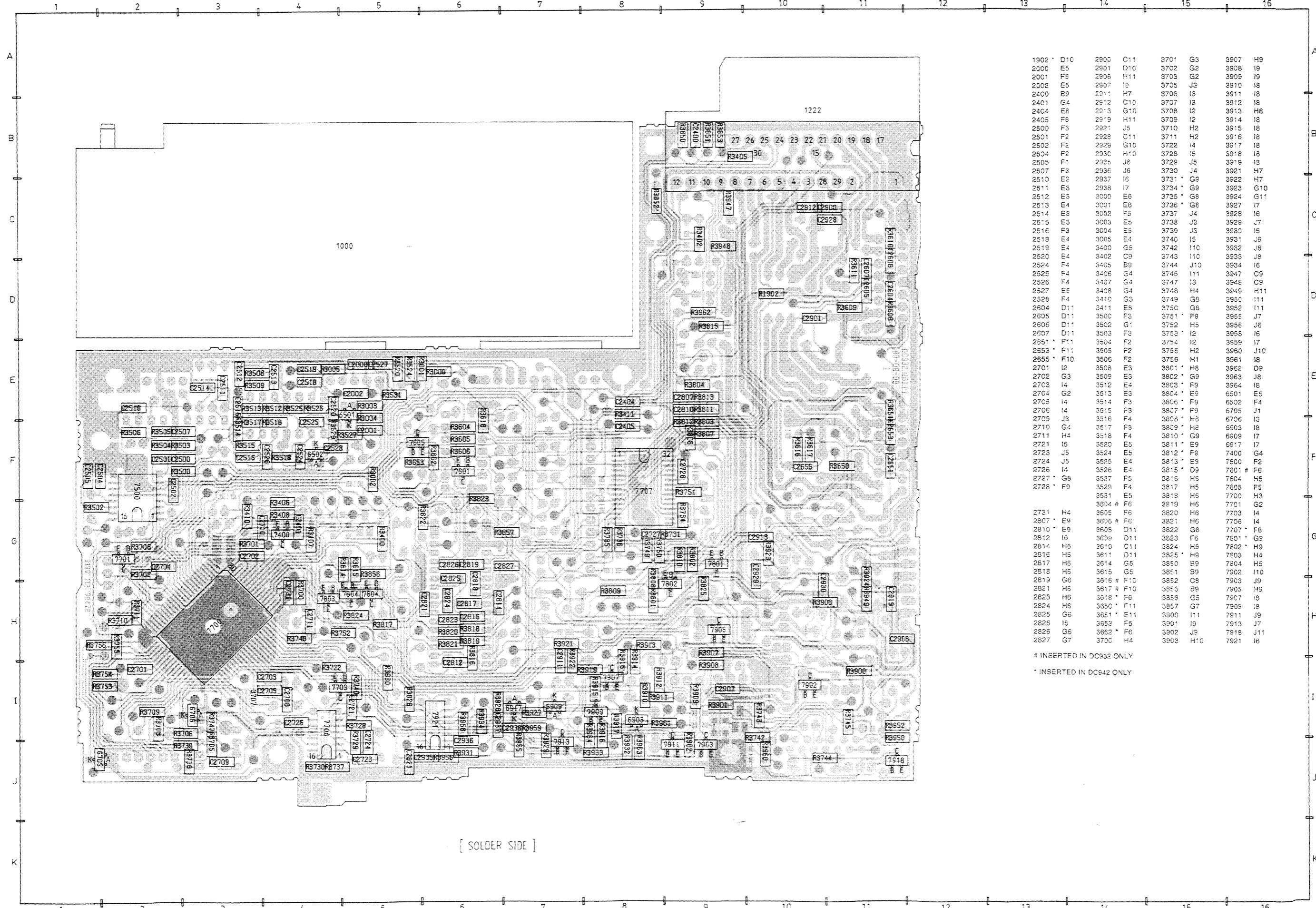


FOR DC942/00 ONLY

MAIN BOARD (NON-CHIP)



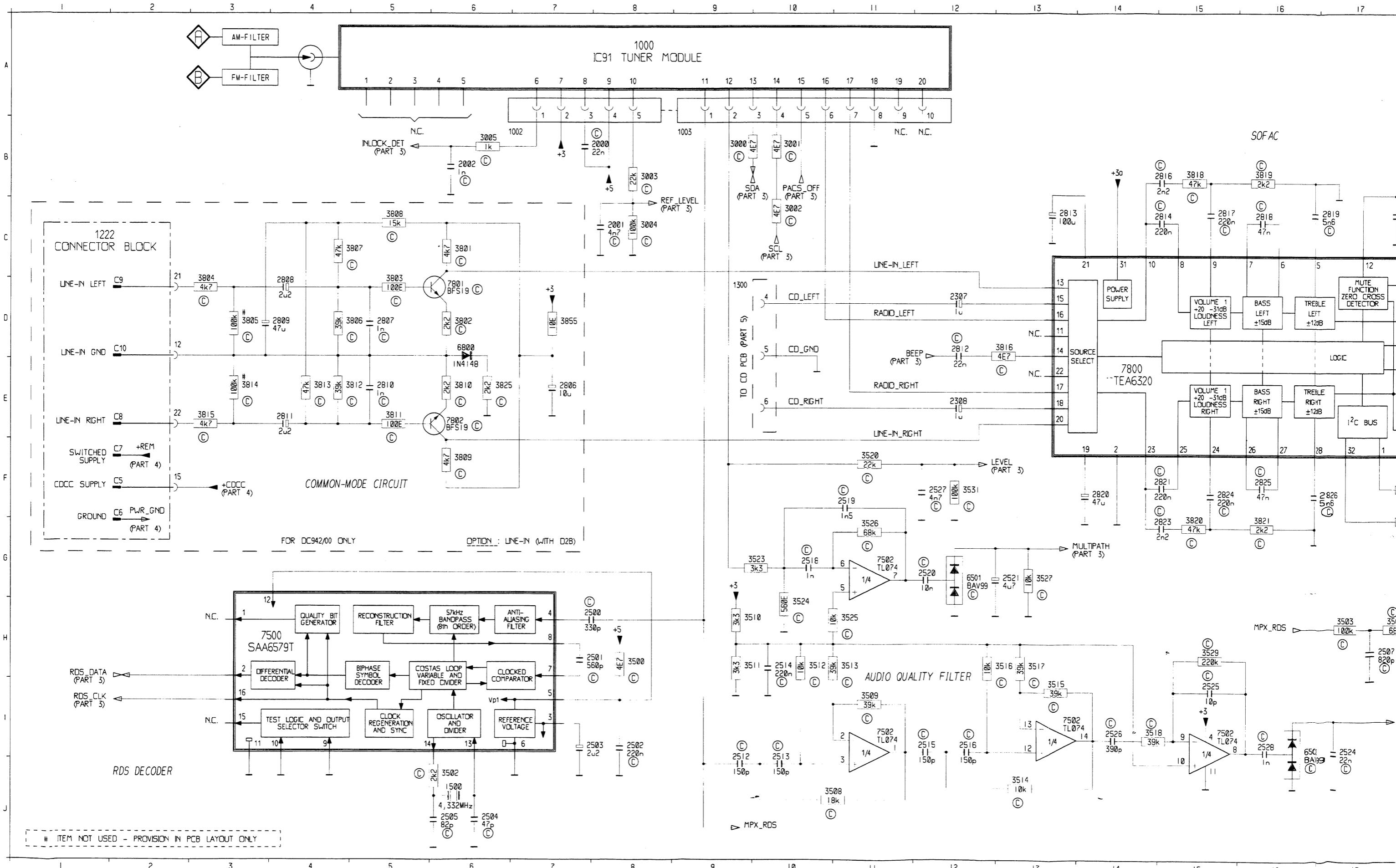
MAIN BOARD (CHIP)

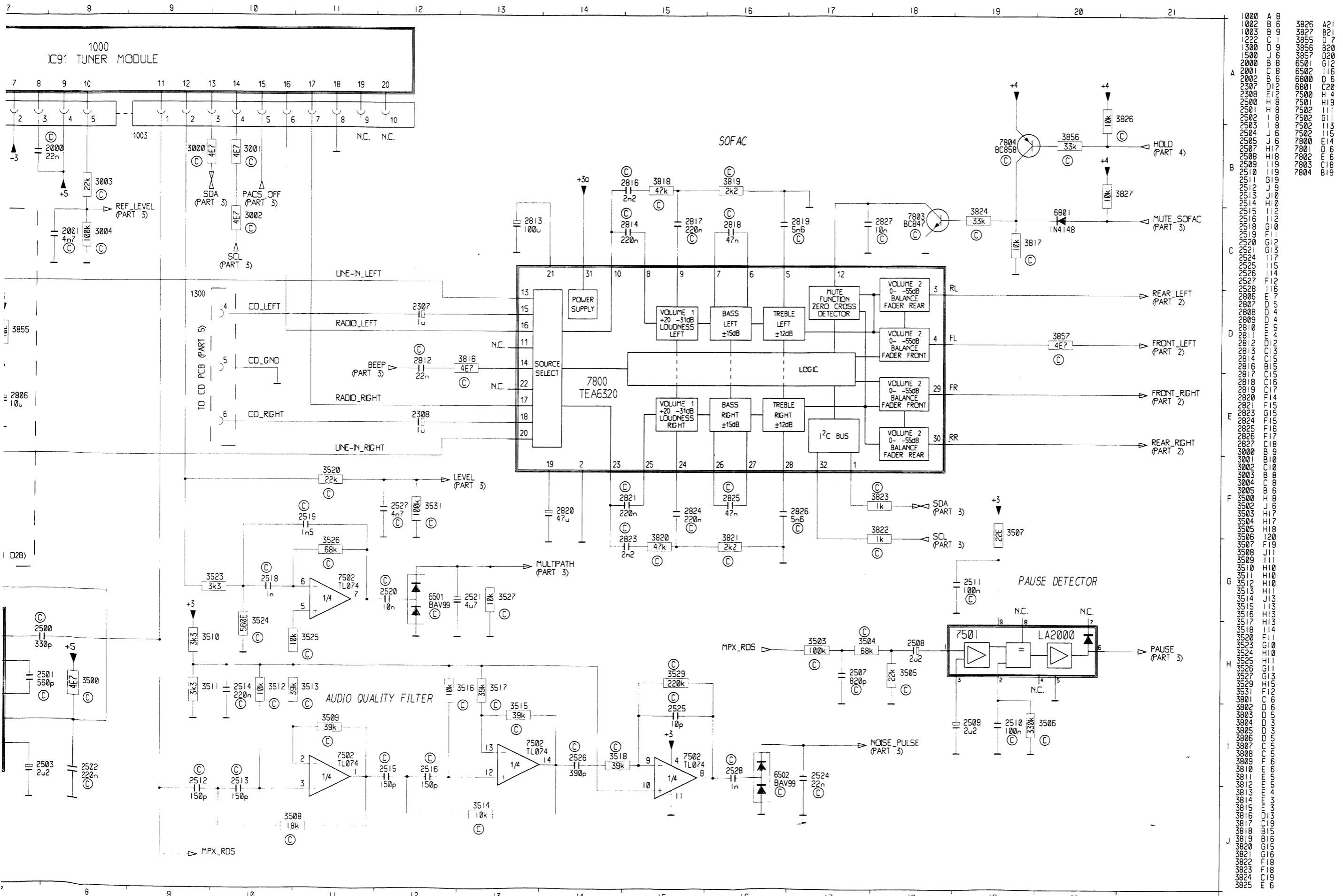


DC Voltage For Main Board

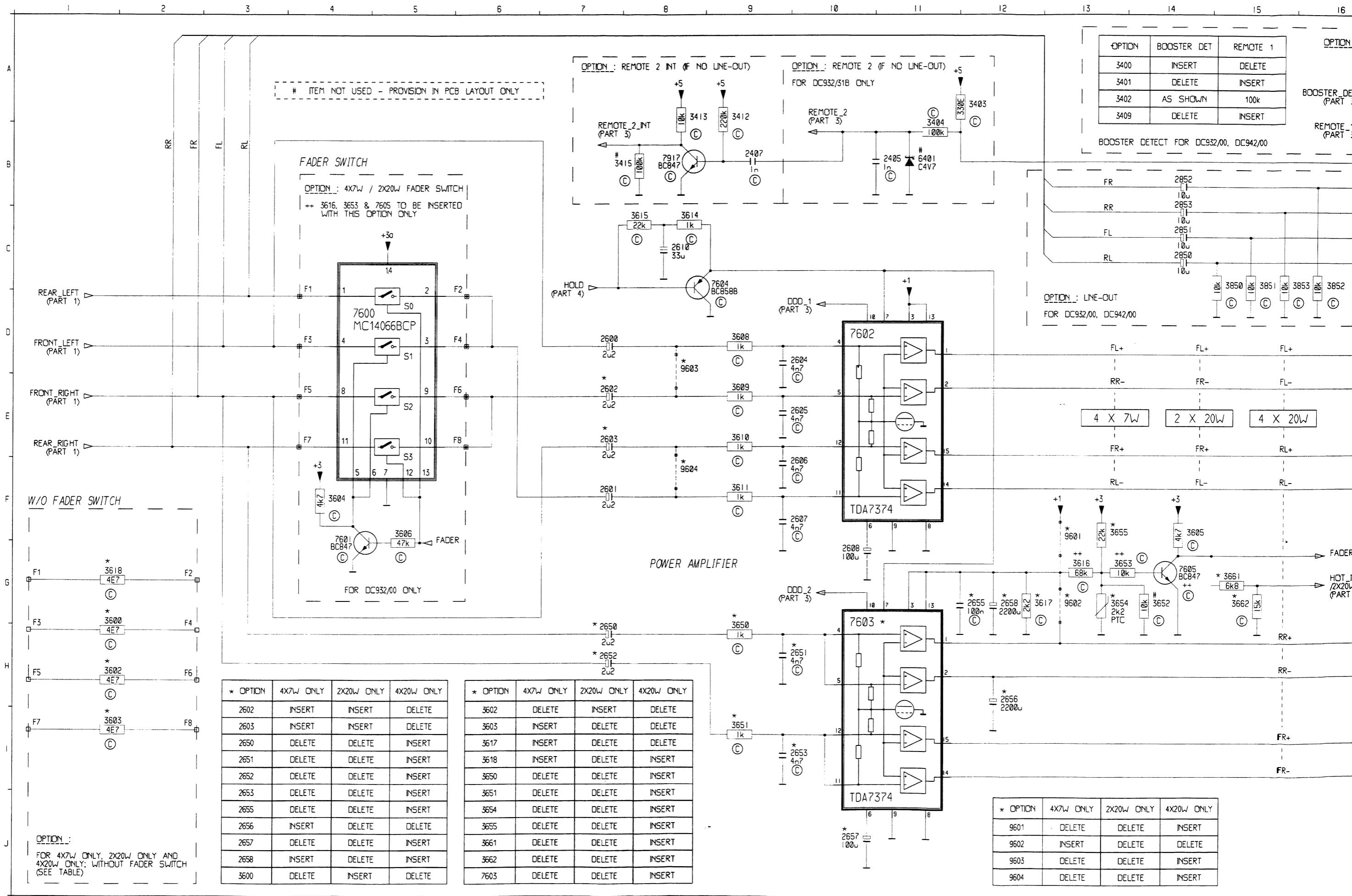
		7501 LA2000	7704 ST24C16	7910 TDA3602
+1	: 10.8 - 16.0V (off) 10.7 - 15.9V (on)	1 : 1.76V 2 : 8V 3 : 2V 4 : N.C. 5 : GND 6 : 4.9V 7 : N.C. 8 : N.C. 9 : 8.3V	1 : 5V 2 : 5V 3 : 5V 4 : GND 5 : 5V 6 : 5V 7 : GND 8 : 5V	1 : 12.5V 2 : 8.58V 3 : N.C. 4 : 0.6V 5 : 5V 6 : GND 7 : 5V 8 : 12.3V 9 : 5V
+5	: 0.6V (off) 5V	7502 TL074	7706 HEF44521BT	7921 HEF4044BT
+7	: 5V (off) 5V (on)	1 : 4.1V 2 : 4.1V 3 : 4.1V 4 : 8.6V 5 : 4.1V 6 : 4.1V 7 : 4.1V 8 : 4.1V 9 : 4.1V 10 : 4.1V 11 : GND 12 : 4.1V 13 : 4.4V 14 : 4.1V	1 : N.C. 2 : GND 3 : 5V 4 : 5V 5 : 10V 6 : 5V 7 : N.C. 8 : GND 9 : GND 10 : N.C. 11 : N.C. 12 : N.C. 13 : N.C. 14 : 5V 15 : N.C. 16 : 5V	1 : 5V 2 : N.C. 3 : 5V 4 : 5V 5 : 5V 6 : 4.38V 7 : 5V 8 : GND 9 : 5V 10 : 5V 11 : 5V 12 : 5V 13 : 0V 14 : 5V 15 : 2.6V
1000 IC 91 TUNER MODULE		7602 TDA7374		
1 - 5	: N.C.	11 : GND	11 : N.C.	11 : 5V
6	: 5V	12 : 4.1V	12 : N.C.	12 : 5V
7	: 8.5V	13 : 4.4V	13 : N.C.	13 : 0V
8	: 0V	14 : 4.1V	14 : 5V	14 : 5V
9	: 5V		15 : N.C.	15 : 2.6V
10	: 5V	7602 TDA7374	16 : 5V	16 : 5V
11	: 3V			
12	: 3.7V	1 : RR +	7707 MSM6307GS	
13	: 5V	2 : RR -		
14	: 5V	3 : 13.3V	1 - 3 : 4.8V	
15	: 0.2V	4 : 0.68V	4 : N.C.	
16	: 3.6V	5 : 0.68V	5 - 8 : 4.8V	
17	: 3.7V	6 : 10.7V	9 : 0V	
18	: 0V	7 : 4.12V	10 - 12 : 4.8V	
19	: N.C.	8 : 0V	13 : N.C.	
20	: N.C.	9 : 0V	14 : 4.9V	
		10 : 0V	15 : 4.9V	
7500 SAA6579T		11 : 0.6V	16 : GND	
		12 : 0.6V	17 : 4.8V	
1	: N.C.	13 : 10.7V	18 : N.C.	
2	: 5V	14 : FR -	19 : 1.95V	
3	: 3V	15 : FR +	20 : 1.98V	
4	: 2.43V		21 : 4.8V	
5	: 5V	7603 TDA7374	22 : N.C.	
6	: GND		23 : 4.8V	
7	: 2.43V	1 : RR +	24 : 2.26V	
8	: 2.5V	2 : RR -	25 : 1.49V	
9	: GND	3 : 13.3V	26 : 4.8V	
10	: GND	4 : 0.68V	27 : 4.8V	
11	: GND	5 : 0.68V	28 : N.C.	
12	: 5V	6 : 0.68V	29 - 32 : 4.8V	
13	: 5V	7 : 4.12V		
14	: 2.5V	8 : 0V		
15	: N.C.	9 : 0V		
16	: 5V	10 : 0V		
		11 : 0.6V		
		12 : 0.6V		
		13 : 13.3V		
		14 : FR -		
		15 : FR +		

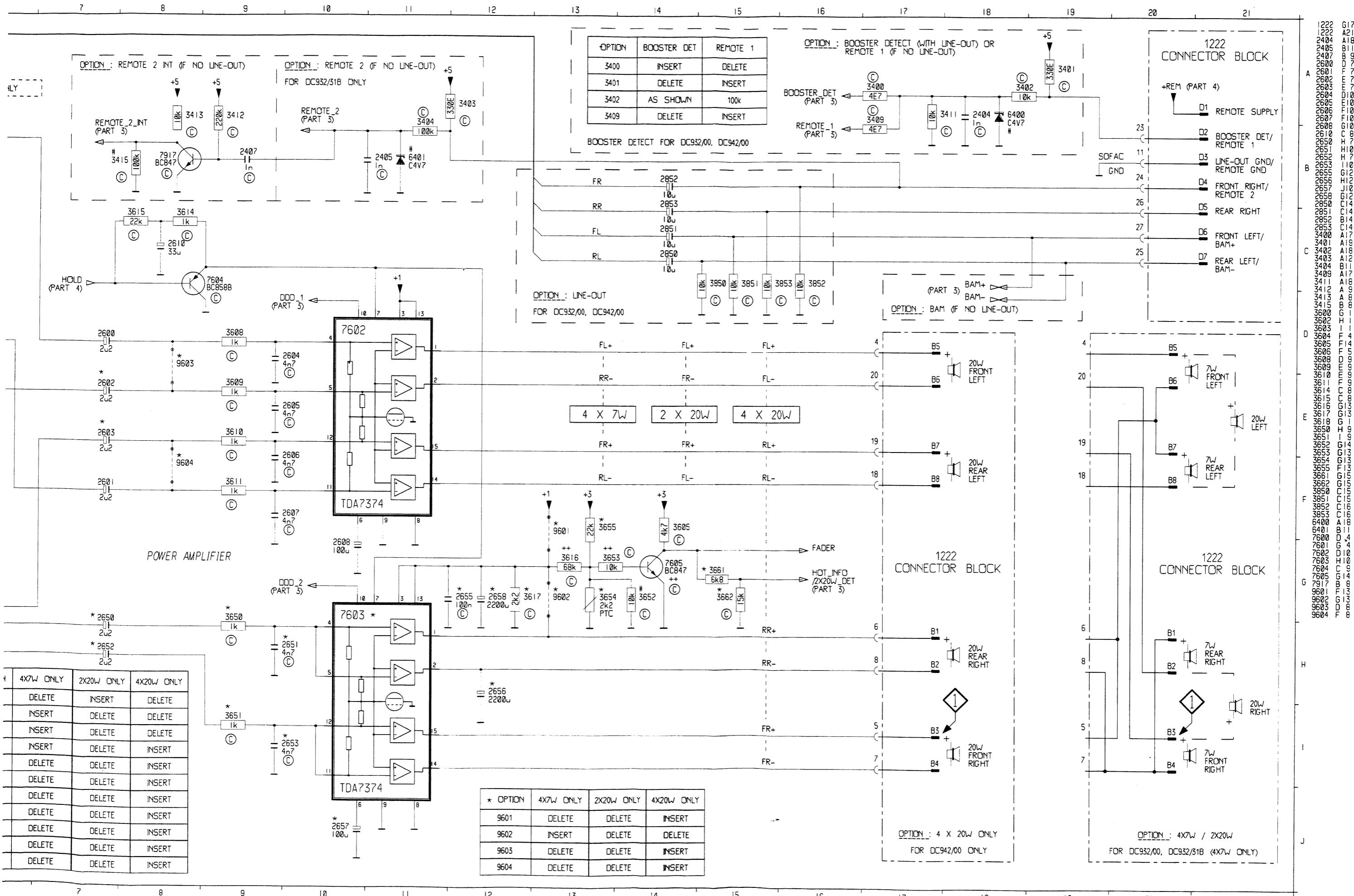
PART I : TUNER, RDS, SOFAC & LINE-IN INTERFACE (MAIN PCB)



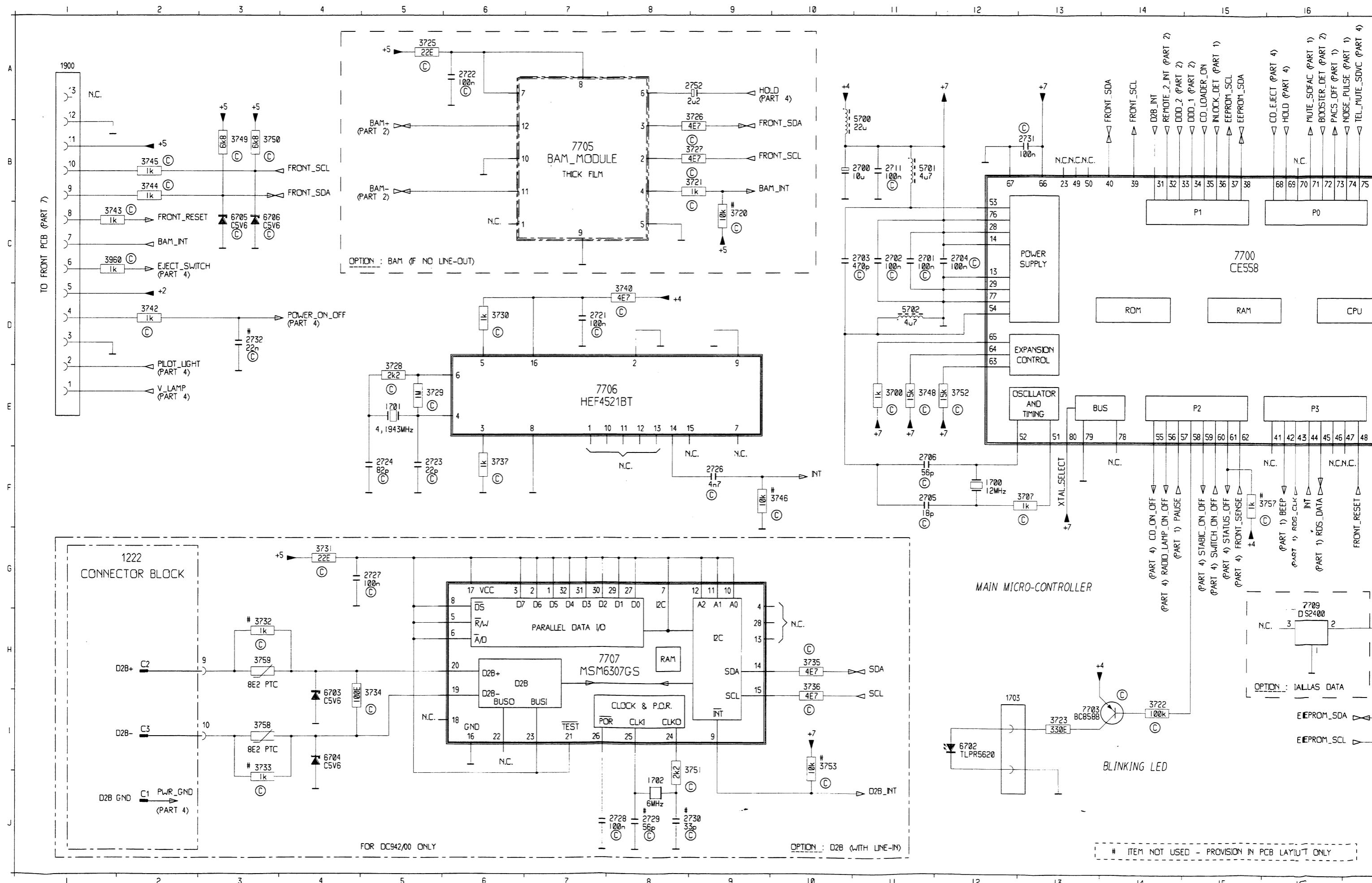


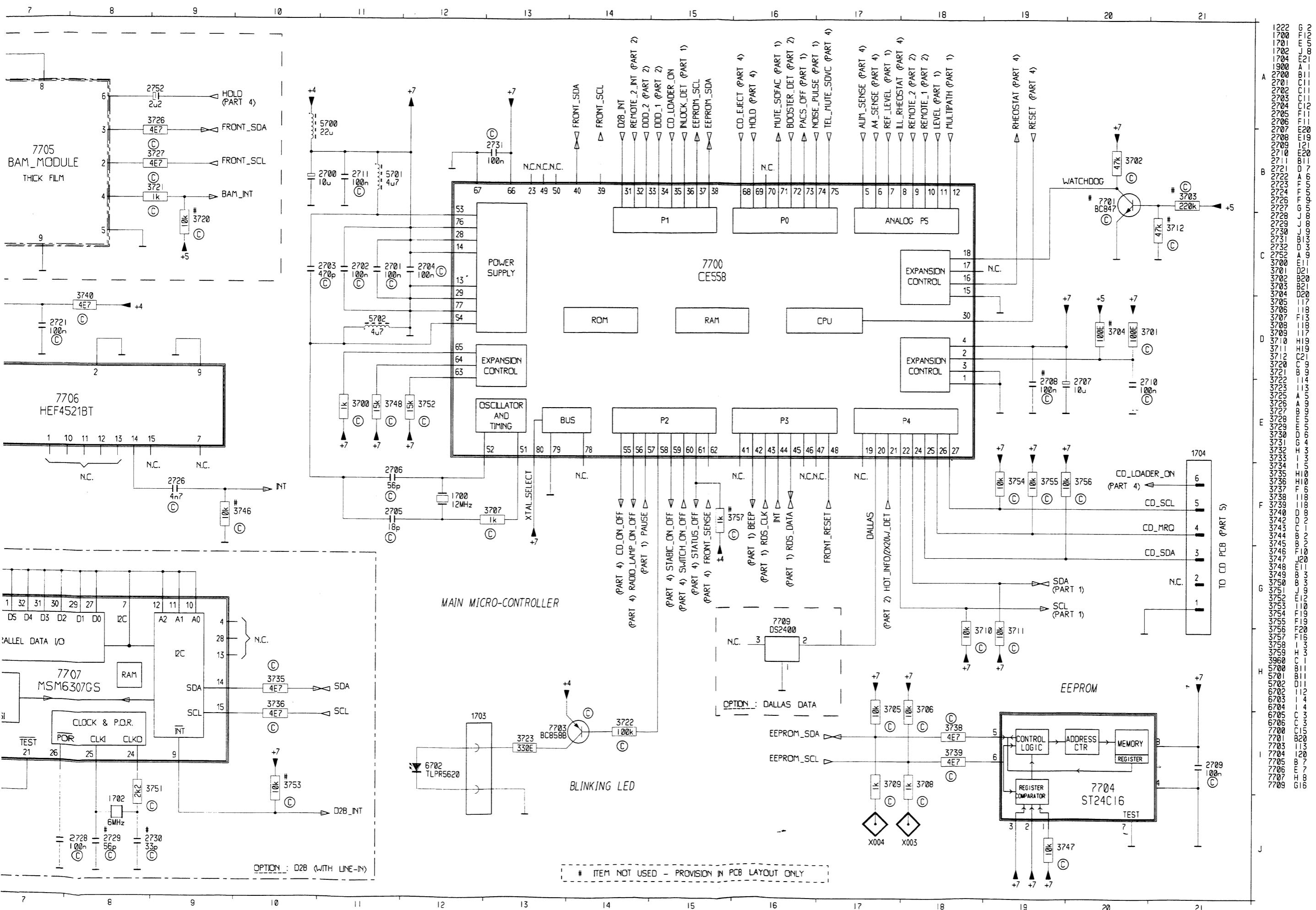
PART 2 : POWER AMPLIFIER & LINE-OUT INTERFACE (MAIN PCB)



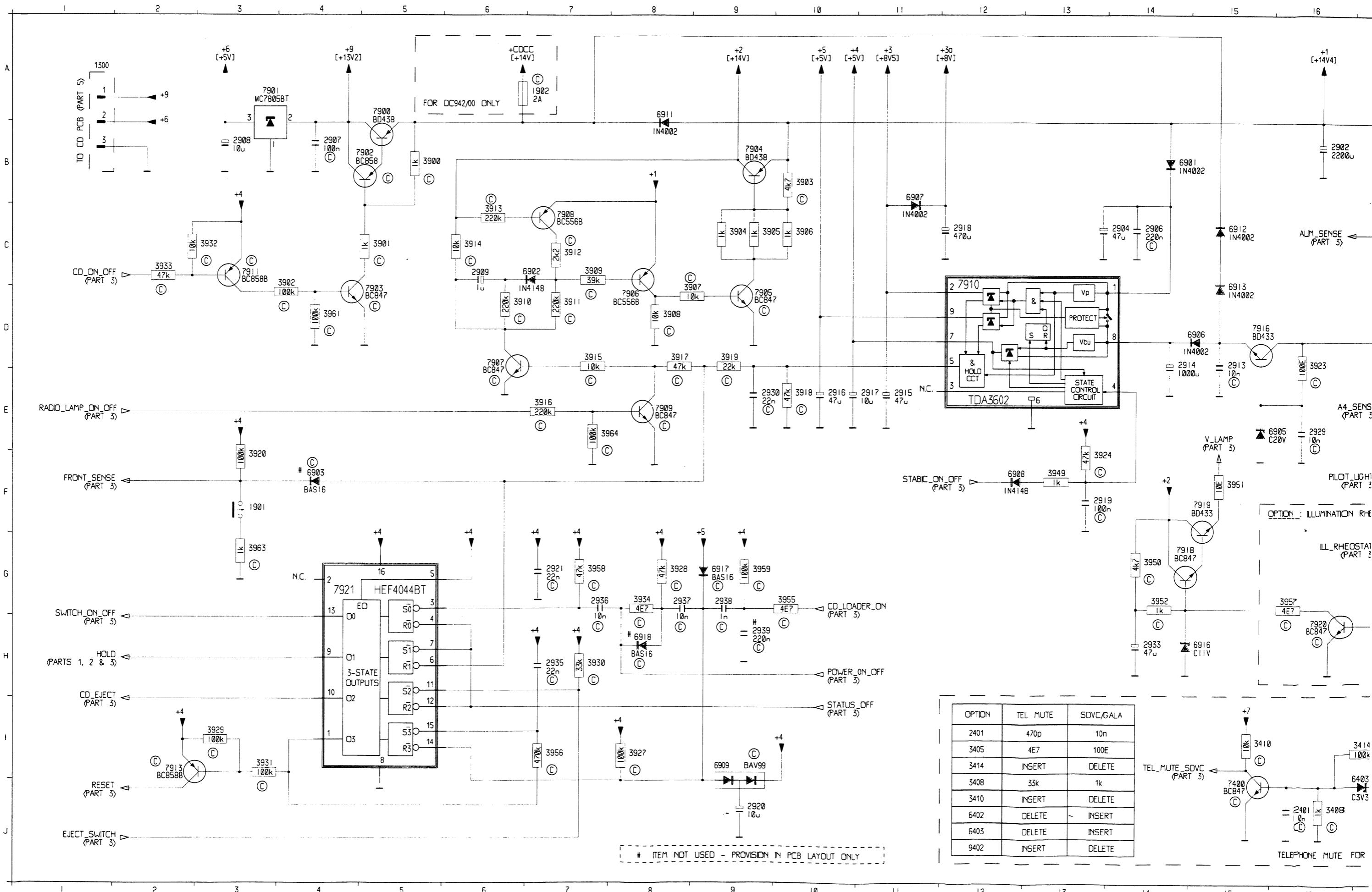


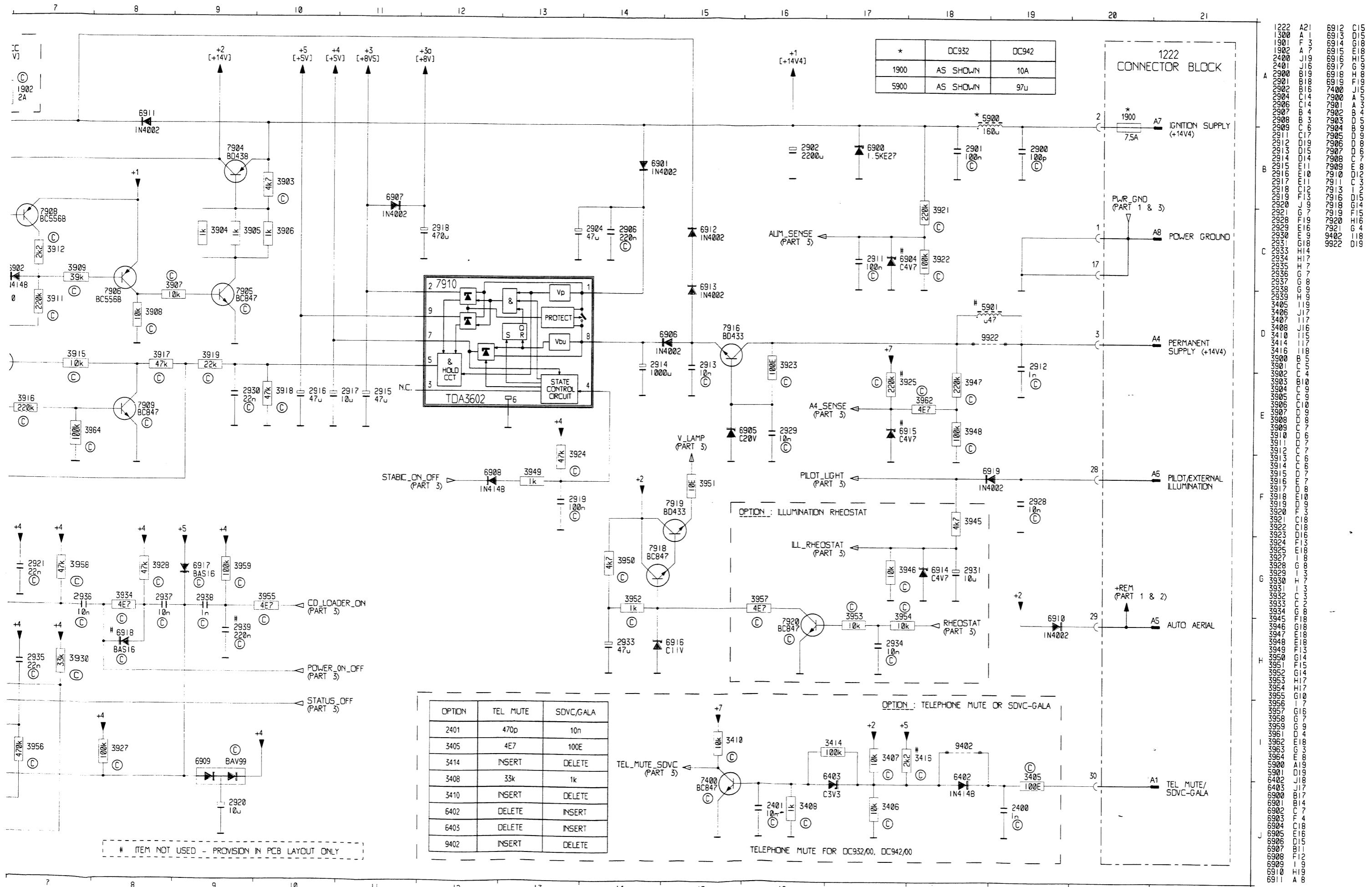
PART 3 : MAIN MICRO-CONTROLLER, EEPROM, BAM & D2B INTERFACE (MAIN PCB)



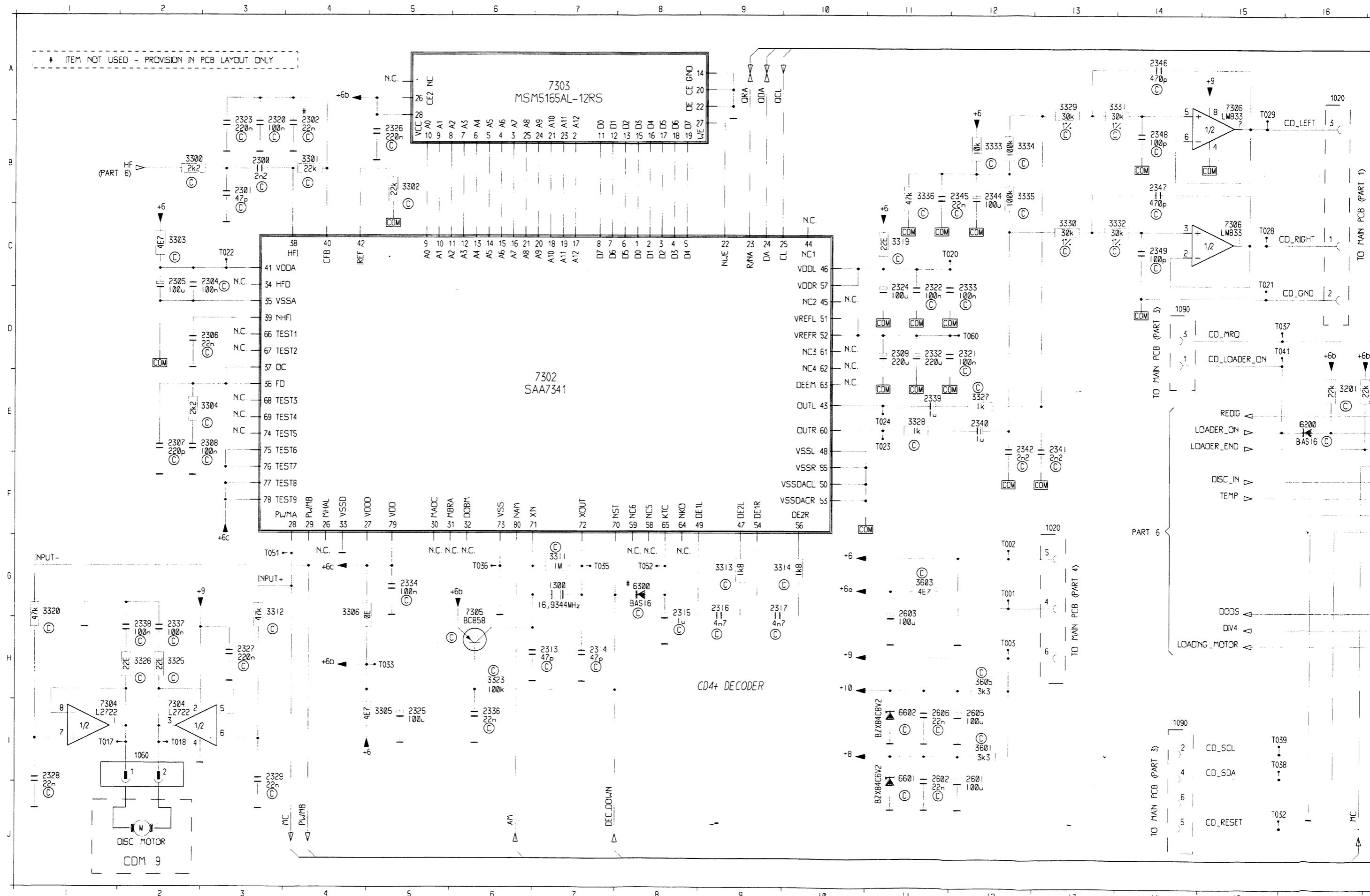


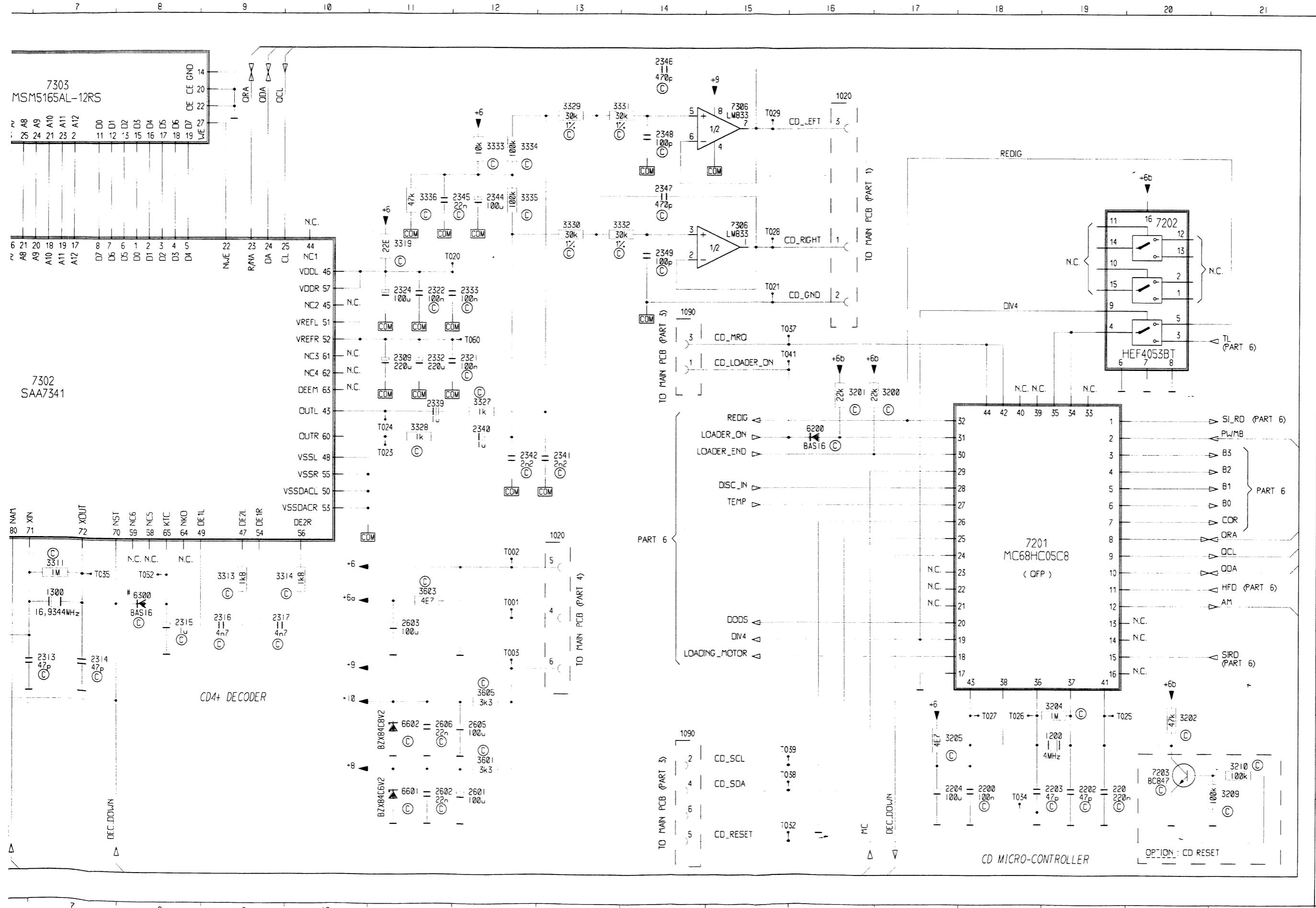
PART 4 : SUPPLY (MAIN PCB)





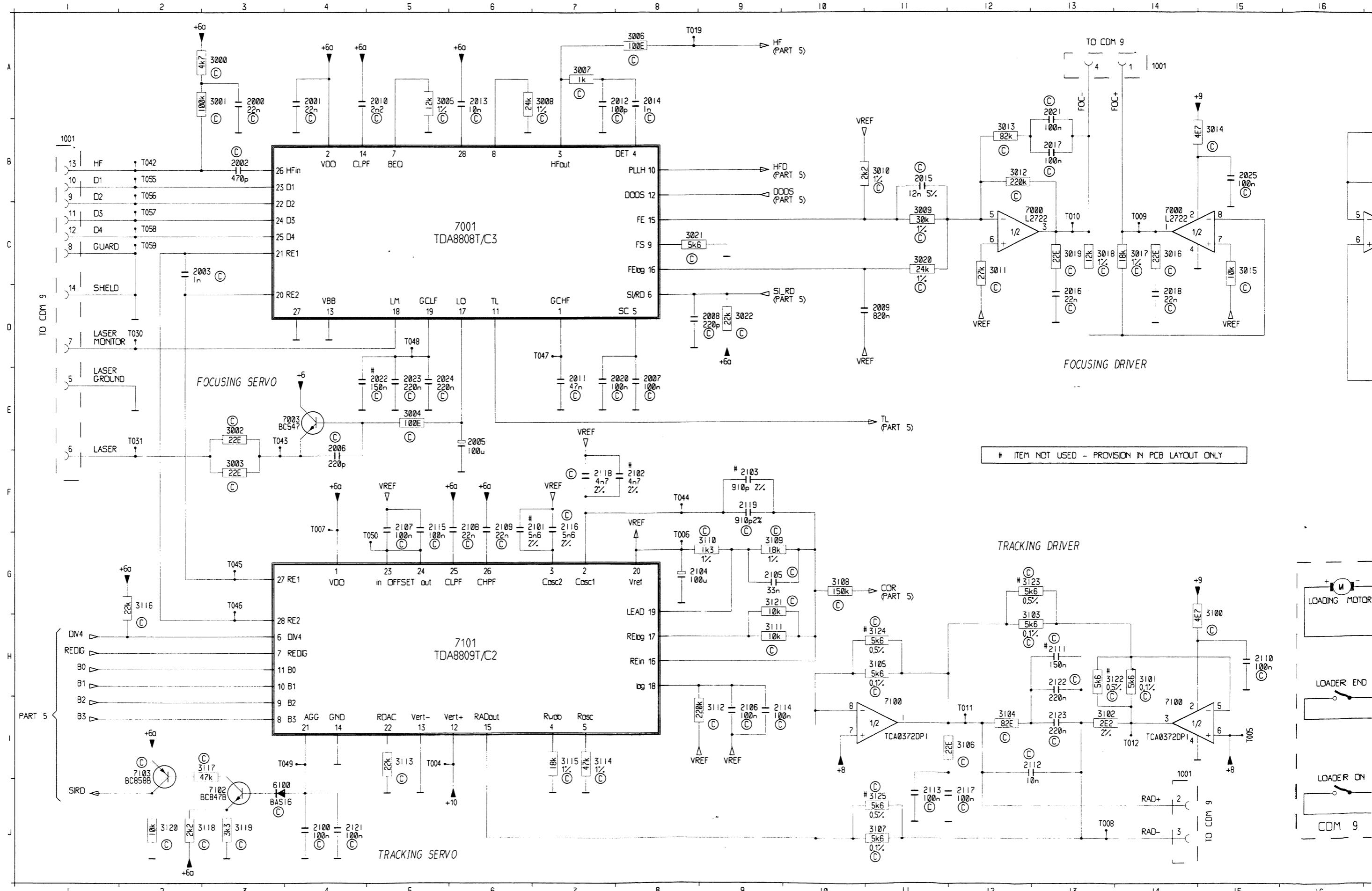
PART 5 : CD4+ DECODER & CD MICRO-CONTROLLER (CD PCB)

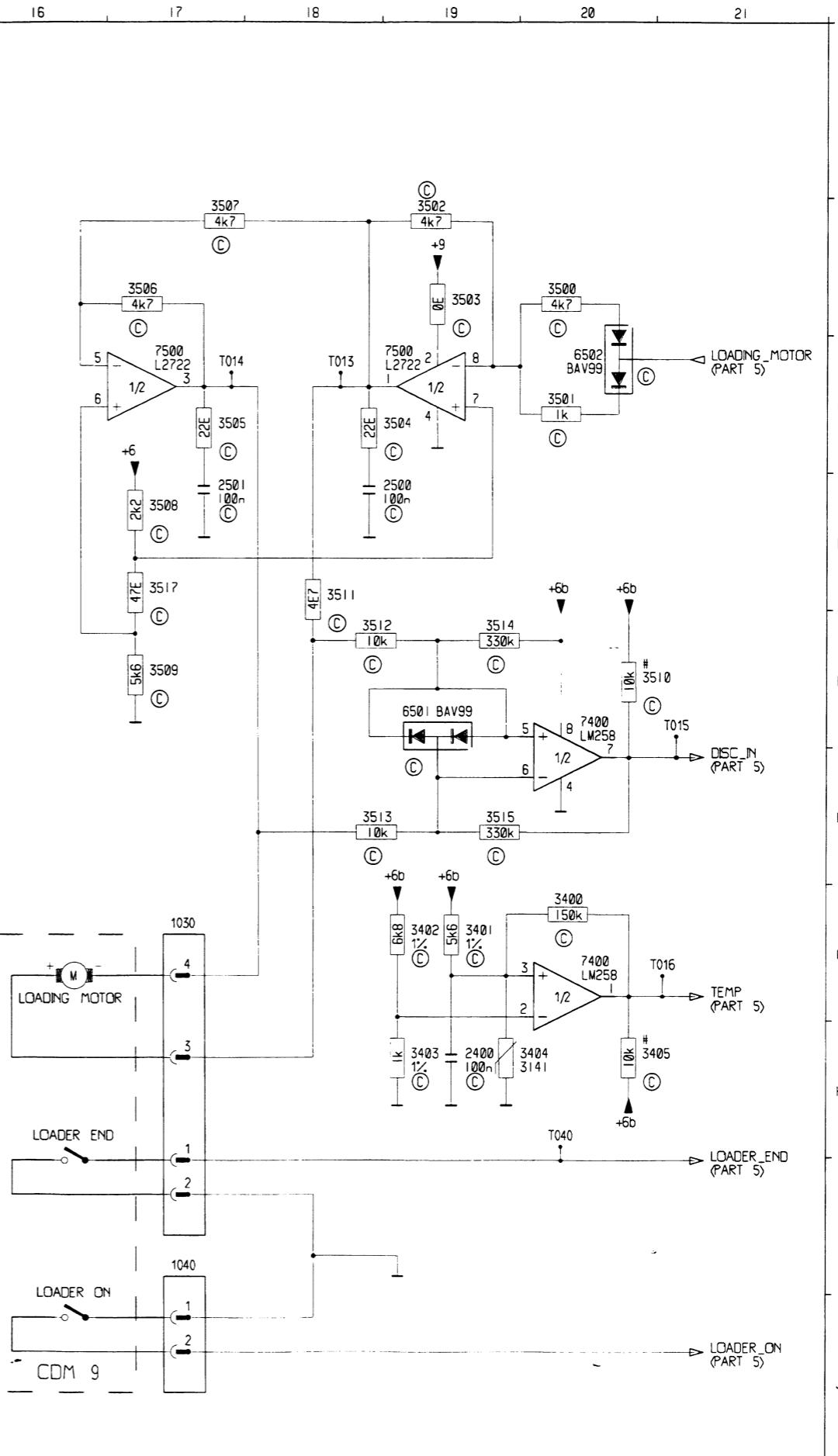
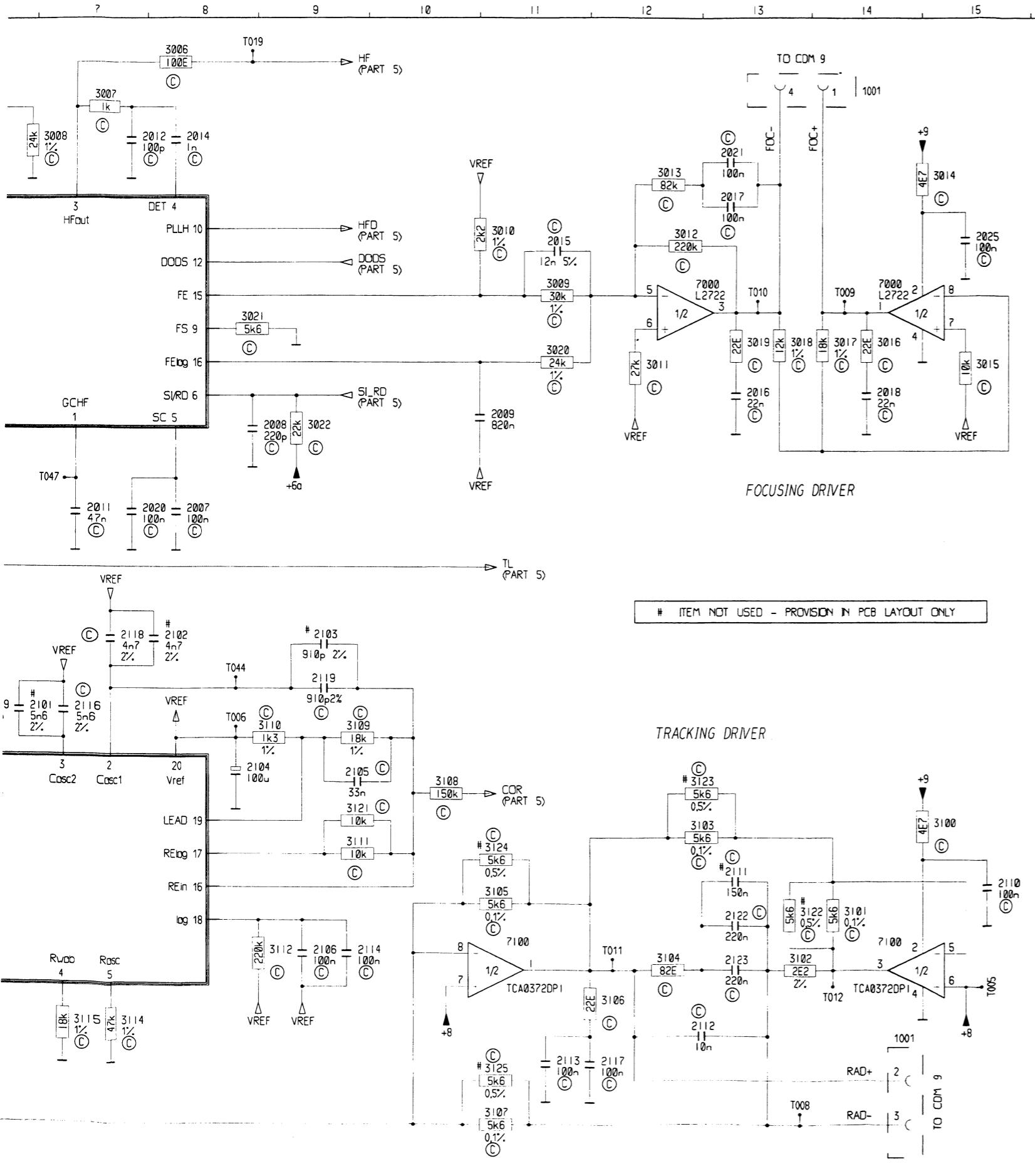




1020	A16
1020	F13
1050	I14
1050	I4
1050	D14
1200	G7
1300	I18
2200	I19
2201	I19
2202	I19
2203	I17
2204	I17
2300	B8
2301	B8
2302	B4
2304	C3
2305	C3
2306	C3
2307	C3
2308	D11
2309	D11
2313	H9
2314	G9
2315	G9
2316	G9
2317	G9
2320	B9
2321	B12
2322	D11
2323	B3
2324	D11
2325	I5
2325	H5
2327	H11
2328	H11
2329	D11
2332	D11
2334	D12
2335	D12
2337	H12
2338	H12
2339	H12
2340	E12
2341	E12
2342	E12
2344	E12
2345	B12
2346	A14
2347	B14
2348	B14
2349	C14
2601	I12
2602	III
2603	G12
2605	G12
2606	G12
3200	E17
3201	E16
3202	D10
3204	H19
3205	H19
3209	I17
3210	I21
3300	B4
3301	B4
3302	B5
3303	B5
3304	B5
3305	B5
3306	B5
3311	G4
3312	G4
3313	G4
3314	G10
3319	G11
3320	G11
3323	G11
3325	G11
3326	G11
3327	E12
3328	E11
3329	A13
3330	C13
3331	A14
3332	C14
3333	C14
3334	B12
3335	B12
3336	B11
3601	I12
3603	G12
3605	G12
6200	E8
6300	E8
6601	III
6602	III
7201	G12
7202	C20
7203	I20
7302	E7
7303	A12
7304	I12
7305	G16
7306	C15
7308	A15

PART 6 : CD SERVO (CD PCB)





1001	A14	3502	B19
1001	114	3503	B19
1001	B1	3504	C17
1030	G17	3505	C17
1040	117	3506	B17
2000	A 3	3507	D17
2001	A 4	3508	D17
2002	B 3	3509	E21
2003	C 3	3510	E21
2005		3511	D8
2006	F 4	3512	F18
2007	E 8	3513	F18
2008	D 9	3514	F19
2009	D11	3515	F19
2010	A 5	3517	D17
2011	E 7	6100	
2012	A 8	6501	E20
2013	A 6	6502	E20
2014	A 8	7000	C14
2015	B11	7000	C16
2016	D13	7001	C16
2017	B13	7003	E 4
2018	D14	7100	
2020	E 8	7100	
2021	A13	7101	H 6
2022	E 5	7102	J 3
2023	E 5	7103	J 3
2024		7400	G20
2025	B15	7400	E20
2100	J 4	7500	C19
2101	F 7	7500	C19

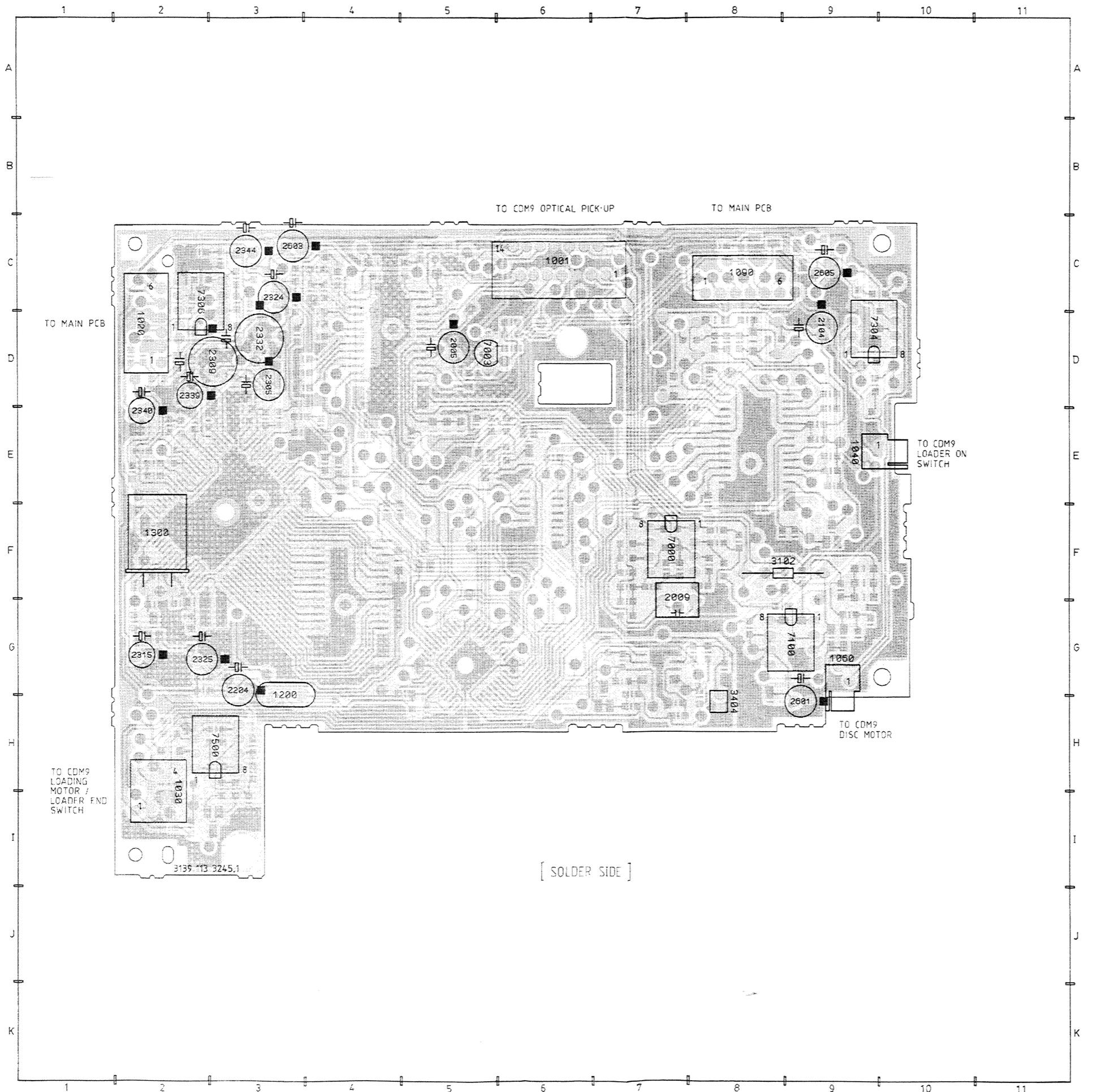
DC Voltage For CD Board

+6	:	5V
+6a	:	4.9v
+8	:	6V
+9	:	14.4V
+10	:	8.2V
Vref	:	2.44V
RAD-	:	4.9
FOC+	:	2.44V
FOC-	:	2.44V
RAD+	:	6V
DISC IN	:	3.74V
TEMP	:	3.74V
HF	:	2.4V
VDDL	:	4.4V
VDDA	:	5V
OUTR	:	2.2V
OUTL	:	2.2V
RESET	:	5V
OSC2	:	5V
VDD	:	5V
CD RIGHT	:	4V
CD LEFT	:	4V
MC	:	5V
KTC	:	5V
VREFL	:	2.5V

AGC Voltages of 7001 TDA8808T/C3 and 7101 TDA8809T/C2 while playing track 1

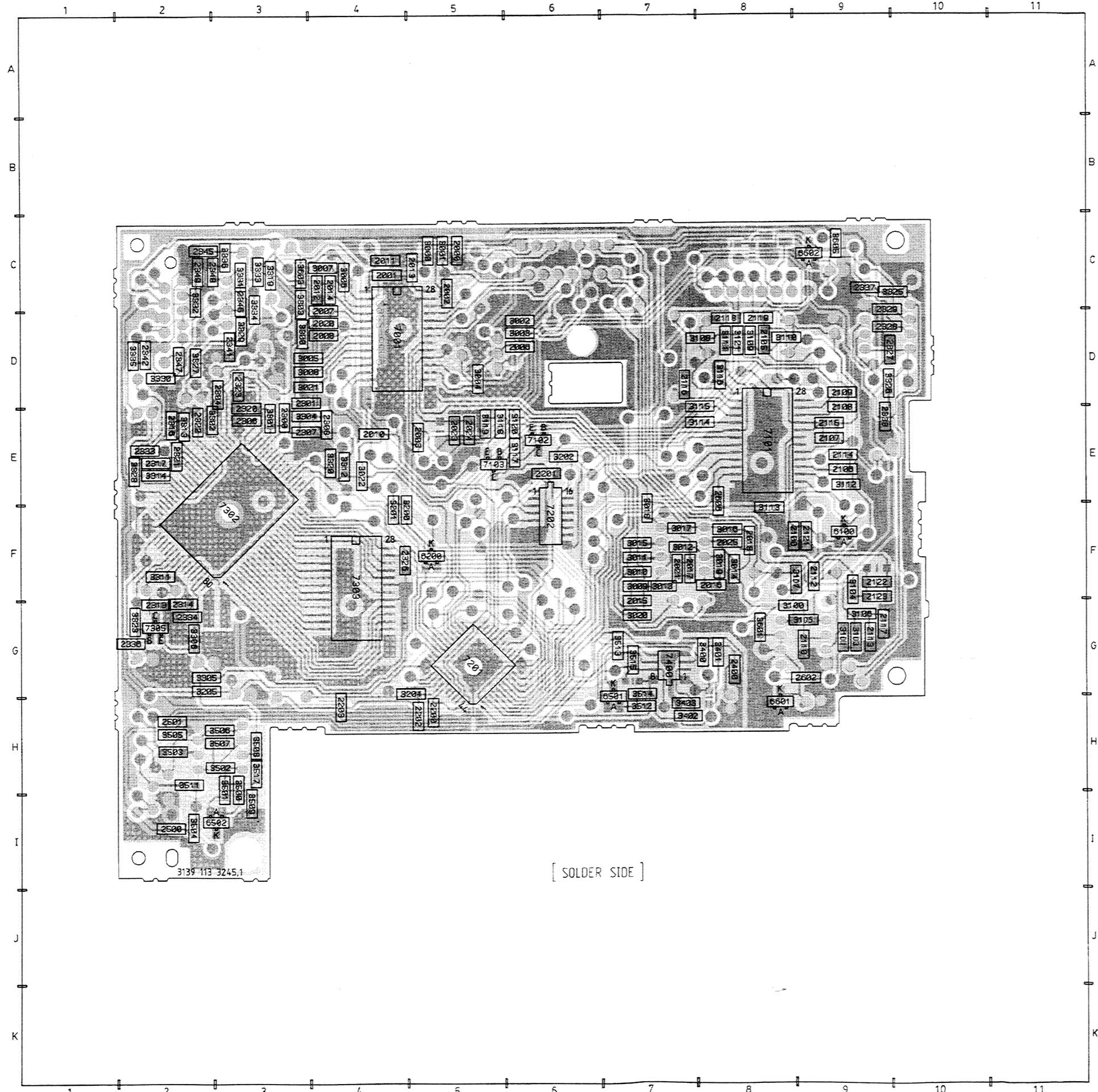
GCHF TDA8808 PIN 1	:	2.40V
GCLF TDA8808 PIN 19	:	1.81V
UAGC TDA8809 PIN 21	:	2.56V
Voff TDA8809 PIN 23	:	2.22V

CD BOARD (NON-CHIP)



1001	C6
1020	D2
1030	H2
1040	E9
1060	G9
1080	C8
1200	G3
1300	F2
2005	D5
2009	G7
2104	D9
2204	C3
2305	D3
2309	D3
2315	G2
2324	C3
2325	G2
2332	D3
2339	D2
2340	E2
2344	C3
2601	H9
2603	C3
2605	C9
3102	F8
3404	H8
7000	F7
7003	D5
7100	G9
7304	D9
7306	C2
7500	H3

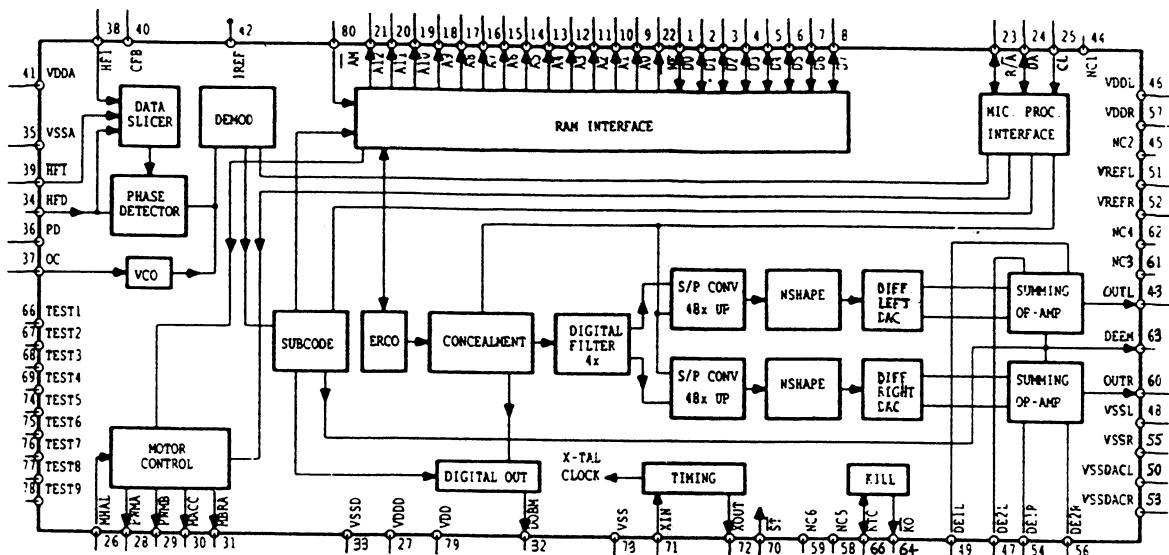
CD BOARD (CHIP)



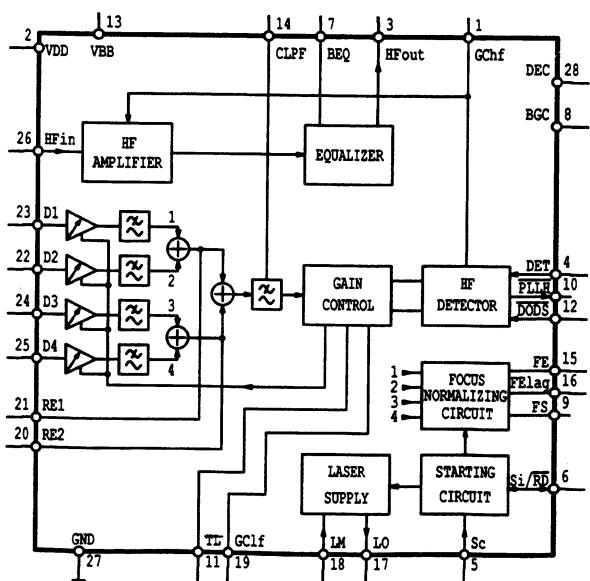
SOLDER SIDE

2000	C5	2338	E9	3301	E3
2001	C4	2341	D3	3302	E2
2002	C5	2342	D2	3303	C3
2003	E5	2345	C2	3304	E3
2006	D6	2346	C3	3305	G2
2007	D4	2347	D2	3306	G2
2008	D4	2348	C2	3311	F2
2010	E4	2349	C2	3312	E4
2011	C4	2400	G8	3313	E2
2012	C4	2500	I2	3314	E2
2013	C5	2501	H2	3319	C3
2014	C4	2602	G9	3320	E4
2015	G7	2606	E8	3323	G2
2016	F8	3000	C5	3325	C10
2017	F7	3001	C5	3326	D9
2018	F8	3002	D6	3327	D2
2020	D4	3003	D6	3328	E2
2021	F7	3004	D5	3329	D3
2023	E5	3005	D3	3330	D2
2024	E5	3006	C4	3331	C3
2025	F8	3007	C4	3332	C2
2100	F8	3006	D3	3333	C3
2105	D6	3009	F7	3334	C3
2106	E9	3010	F7	3335	D2
2107	E9	3011	F7	3336	C3
2108	E9	3012	F7	3400	G8
2109	D9	3013	F7	3401	G8
2110	G9	3014	F8	3402	H7
2112	F9	3015	F7	3403	H7
2113	G9	3016	F8	3500	H3
2114	E9	3017	F7	3501	H3
2115	E9	3018	F7	3502	H3
2116	D7	3019	F8	3503	H2
2117	G9	3020	G7	3504	I2
2118	D8	3021	D3	3505	H2
2119	D8	3022	E4	3506	H3
2121	F9	3100	G8	3507	H3
2122	F9	3101	G9	3508	H3
2200	H5	3103	G9	3509	I3
2201	E6	3104	F9	3511	H2
2202	H5	3105	G8	3512	H7
2203	H4	3106	G9	3513	G7
2300	E3	3107	F9	3514	G7
2301	D3	3108	D8	3515	G7
2304	D3	3109	D8	3517	H3
2306	E3	3110	D8	3601	G8
2307	E3	3111	D8	3603	C3
2308	E4	3112	E9	3605	C9
2313	G2	3113	F8	6100	F9
2314	G2	3114	E8	6200	F5
2316	E2	3115	E8	6501	H7
2317	E2	3116	D8	6502	I3
2320	E3	3117	E6	6601	H8
2321	E2	3118	E5	6602	C9
2322	E2	3119	E5	7001	D4
2323	D3	3120	E6	7101	E8
2326	F4	3121	D8	7102	E6
2327	D9	3123	G9	7103	E5
2328	D9	3200	F4	7201	G5
2329	D9	3201	F4	7202	F6
2333	E2	3202	E6	7302	F3
2334	G2	3204	G5	7303	F4
2336	G2	3205	G2	7305	G2
2337	C9	3300	D3	7400	G7

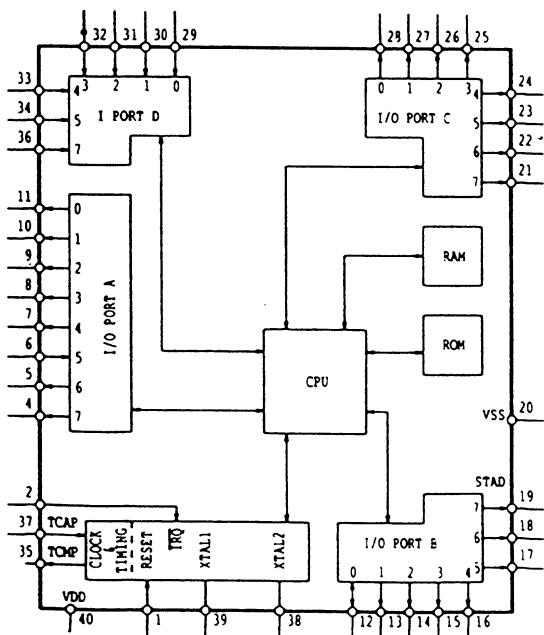
7302 SAA7341

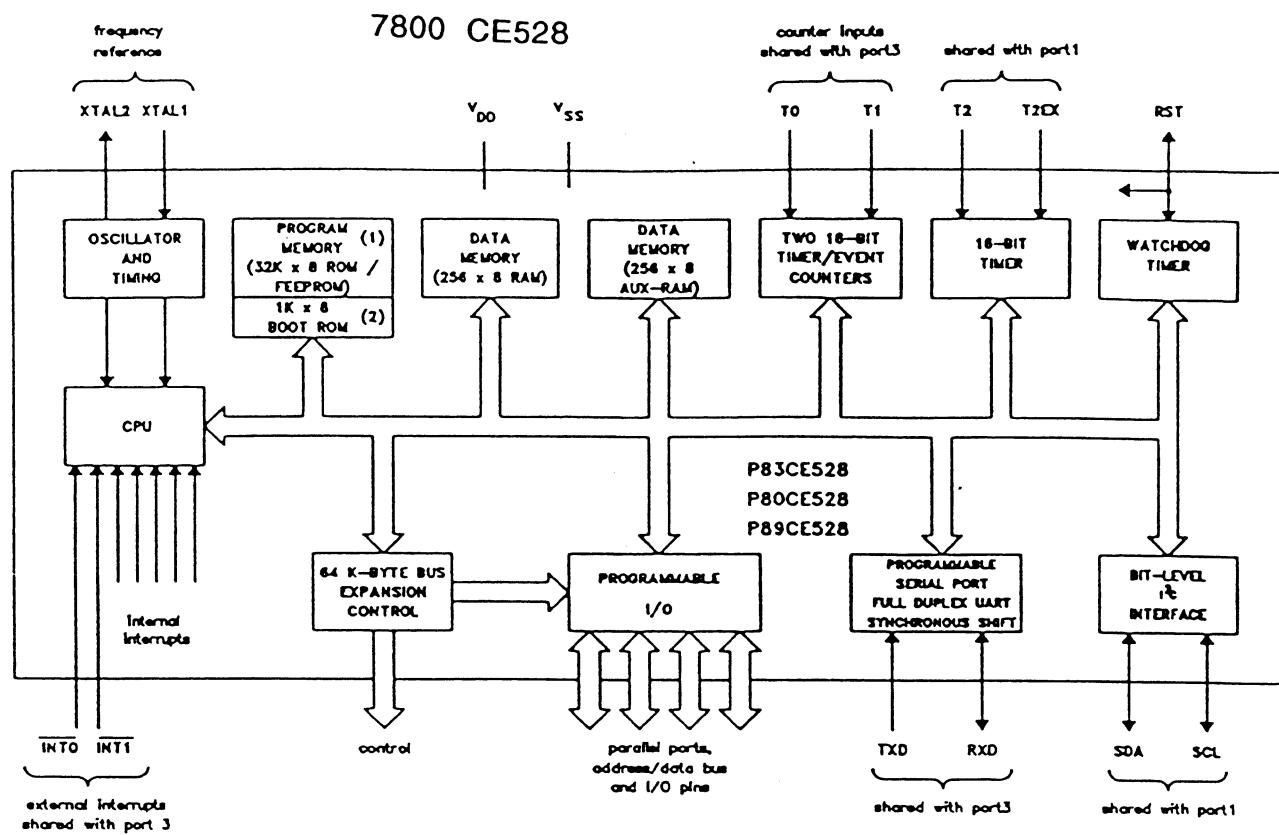


7001 TDA8808T/C3

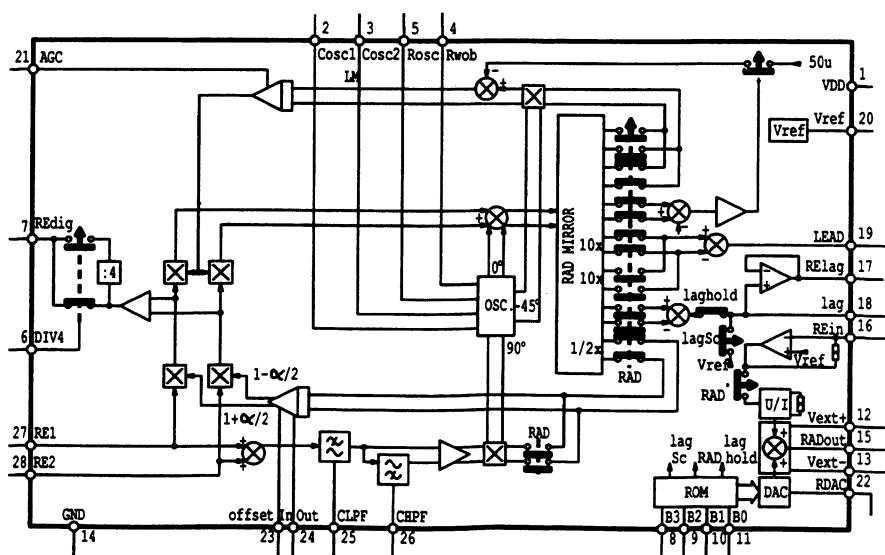


7201 MC68HC05C8

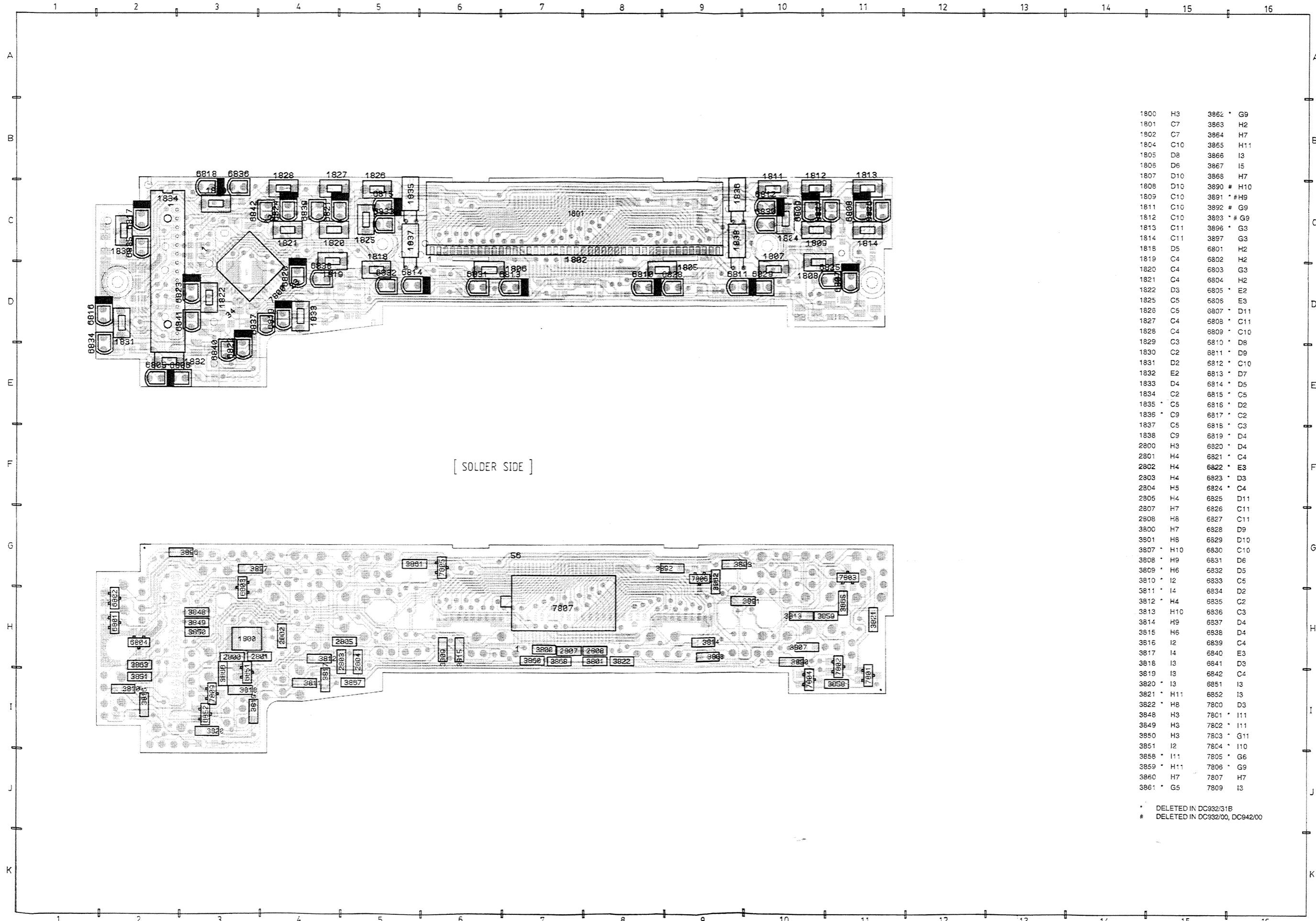




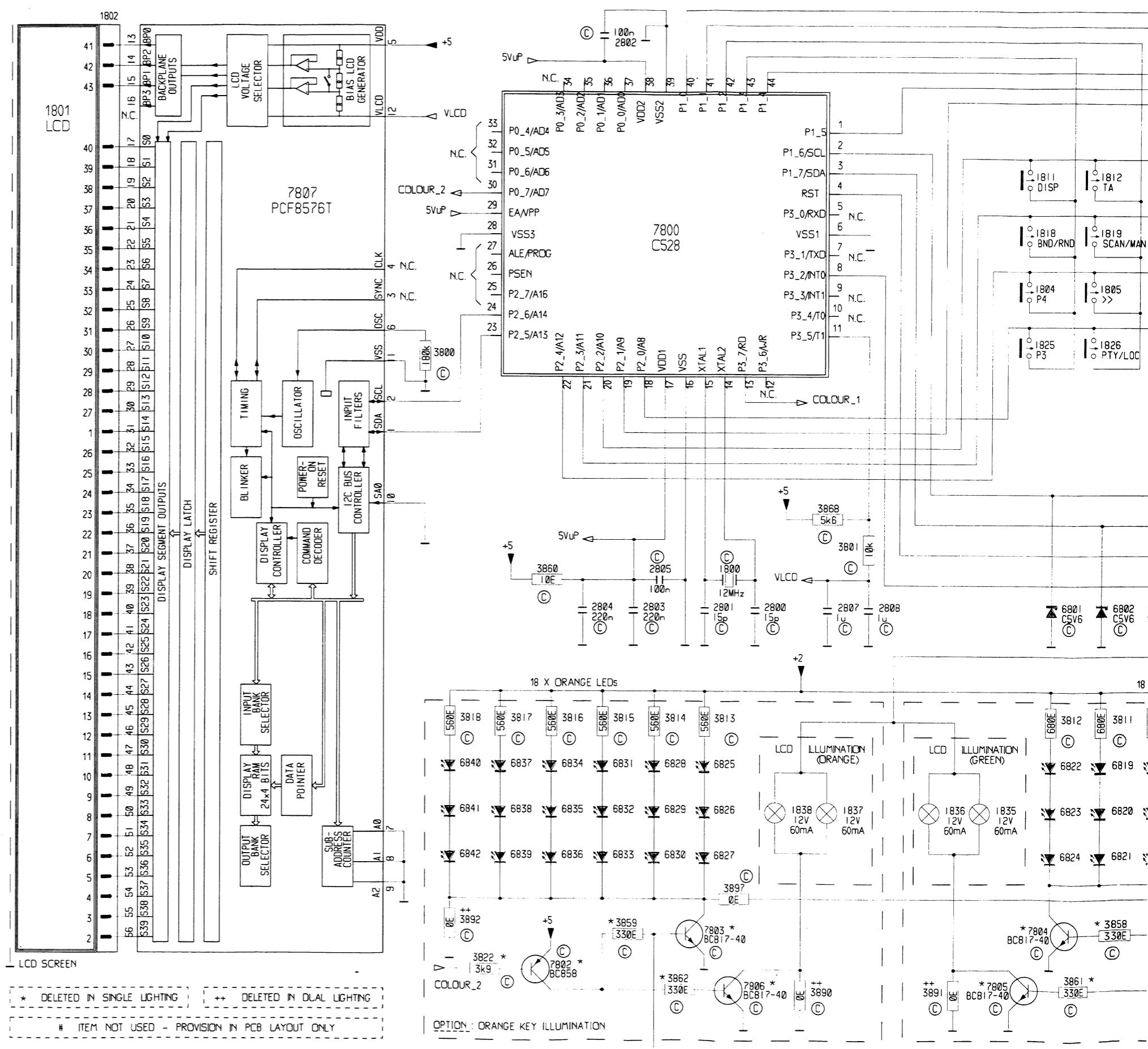
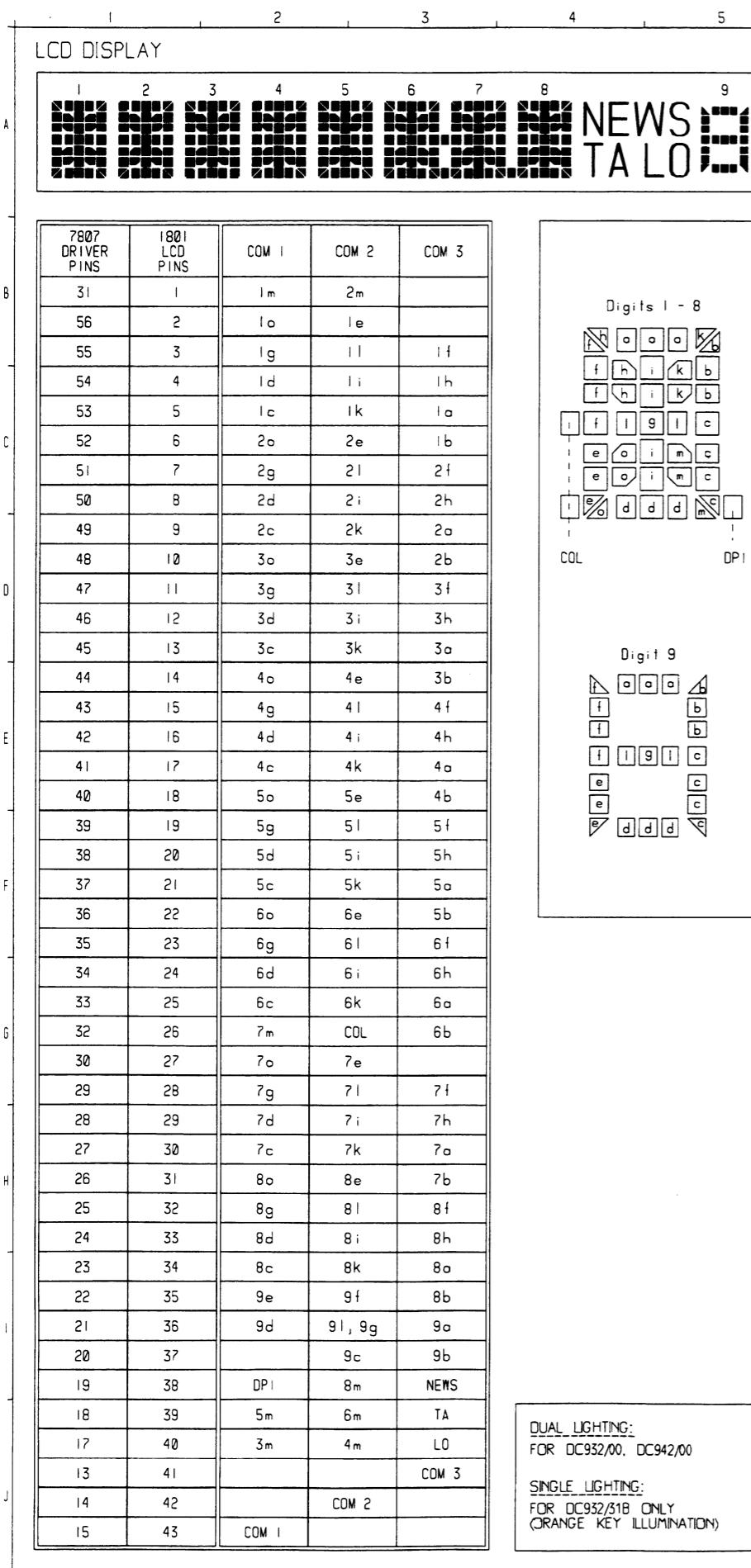
7101 TDA8809T/C2

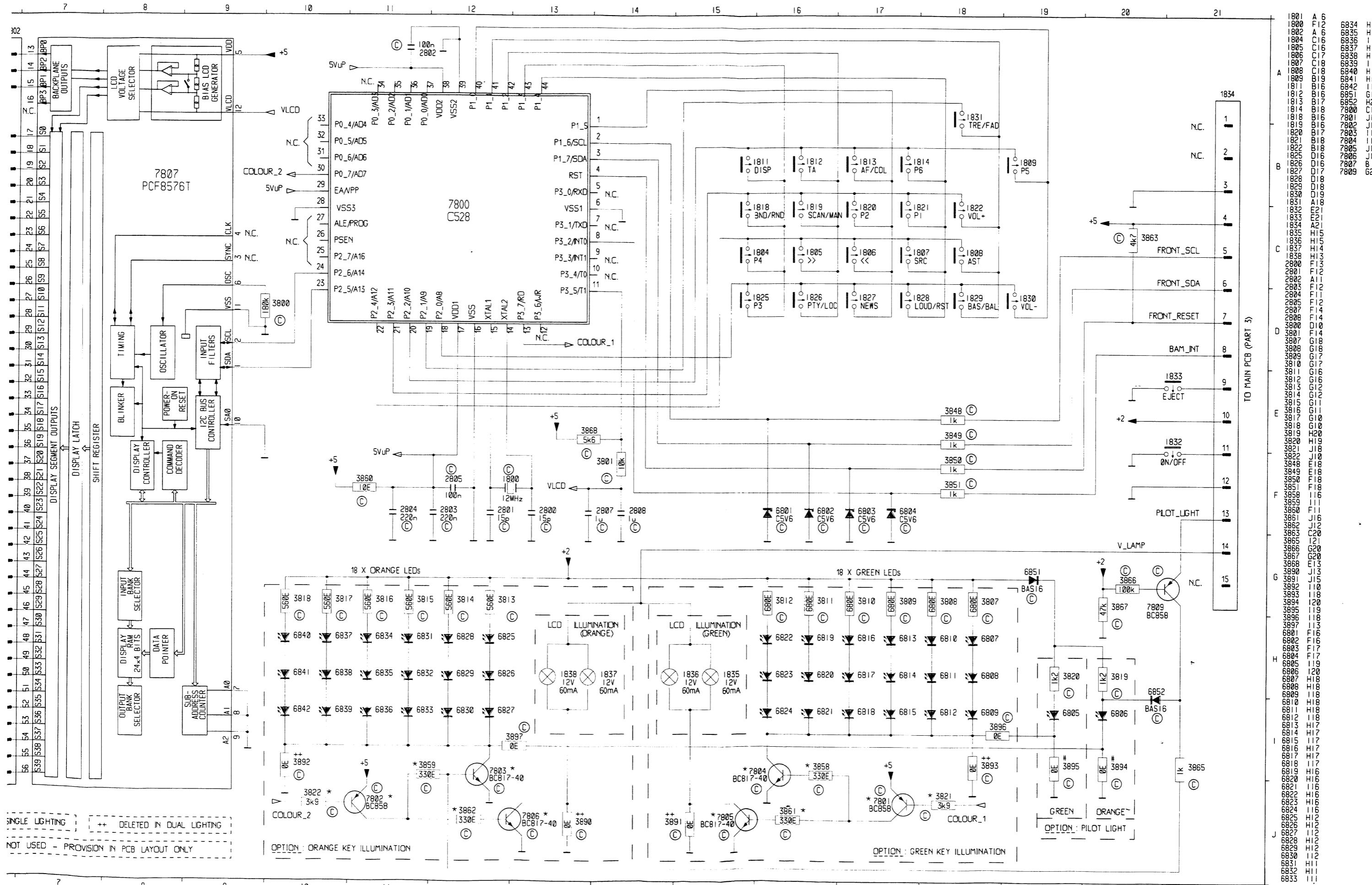


FRONT BOARD

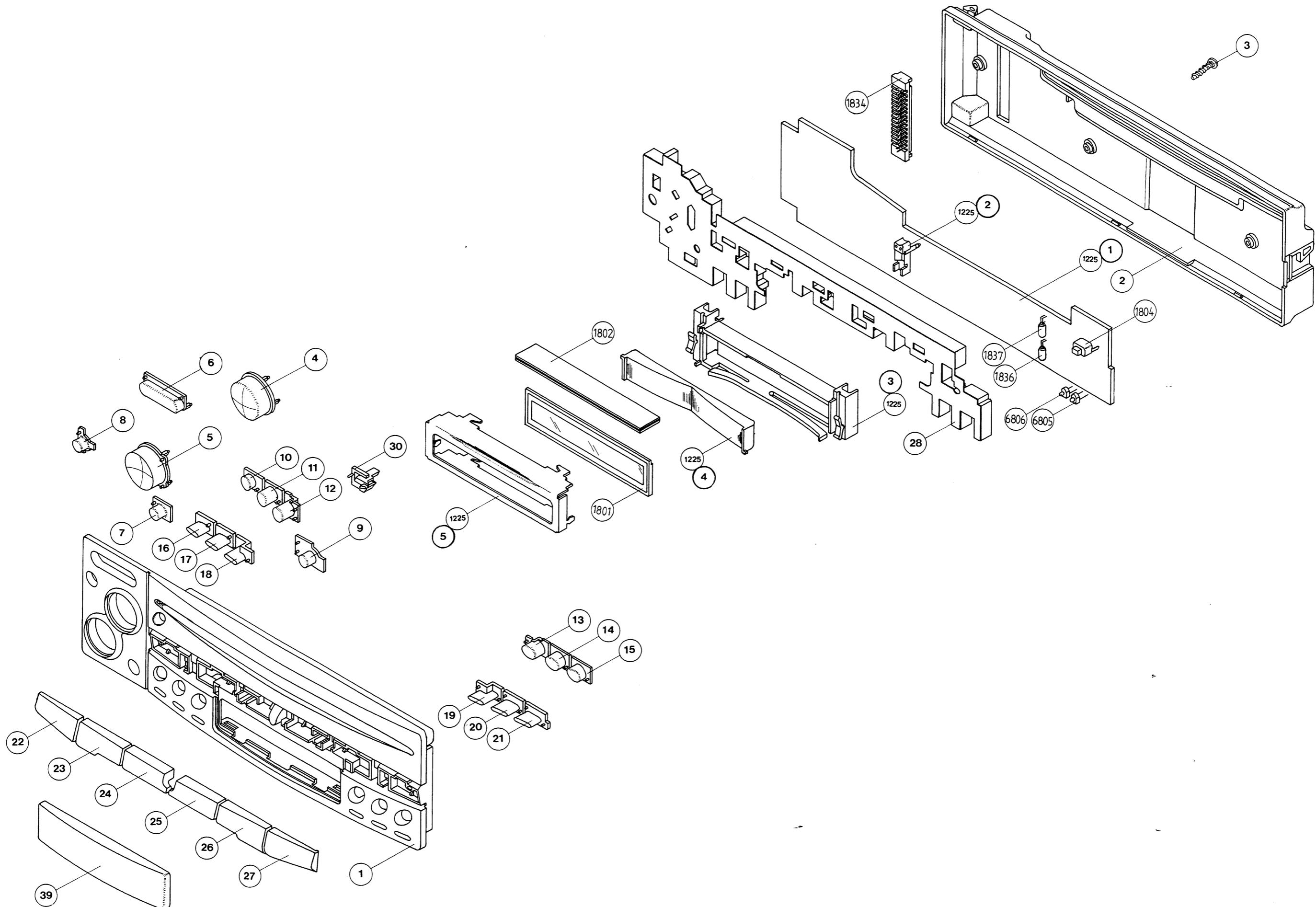


PART 7 : DETACHABLE FRONT PCB





EXPLODED VIEW-DETACHABLE FRONT



LIST OF MECHANICAL PARTS

Only those parts of which the item number is stated below
are considered Service parts.

MAIN SET

DETACHABLE FRONT

1	4822 459 50807	Cover front - 90DC942	1/1	4822 459 50806	Plate ornamental - 90DC942
1	4822 459 50805	Cover front - 90DC932	1/1	4822 459 50803	Plate ornamental - 90DC932
2	4822 459 50802	Cover back	1/2	4822 404 21277	Ejector
4	4822 410 62886	Button volume/up	1/3	4822 492 42684	Spring torsion
5	4822 410 62887	Button volume/down	1/4	4822 535 93429	Spindle
6	4822 410 62888	Button on/off	1/6	4822 410 62884	Button release
7	4822 410 62889	Button bass/balance	2/7	4822 404 21278	Lever
8	4822 410 62891	Button treble/fad	2/8	4822 404 21281	Bracket bush
9	4822 410 62933	Button eject	2/9	4822 492 33418	Spring tension
10	4822 410 62892	Button preset 1	2/10	4822 404 21279	Lever
11	4822 410 62893	Button preset 2	5	4822 267 31717	Bush aerial
12	4822 410 62894	Button preset 3	12	4822 492 71046	Spring mounting
13	4822 410 62895	Button preset 4	19	4822 423 41249	Protection CD changer
14	4822 410 62896	Button preset 5	21	4822 321 62188	Connector assy
15	4822 410 62897	Button preset 6	23	4822 417 11198	Pivot
16	4822 410 62885	Button small 1	25/1	4822 466 10655	Foil Flex
17	4822 410 62901	Button small 2	25/2	4822 265 41384	Connector
18	4822 410 62902	Button small 3	29	4822 492 71421	Leaf spring grounding
19	4822 410 62903	Button small 4	37-2	4822 404 20437	Bracket mounting
20	4822 410 62904	Button small 5	37-5	4822 267 31699	Plug aerial
21	4822 410 62905	Button small 6	37-6	4822 401 11512	Holder aerial adaptor
22	4822 410 62915	Button scan/man	38-2	4822 321 61695	Cable adaptor, power
23	4822 410 62935	Button band/random	38-3	4822 321 61696	Cable adaptor 4 L.S.
24	4822 410 62906	Button up	38-6	4822 532 11092	Buffer mounting
25	4822 410 62907	Button down	41	4822 423 90186	Sleeve
26	4822 410 62934	Button SRC	46	4822 492 71426	Spring leaf
27	4822 410 62908	Button AST/RPT	1210	4822 459 50804	Detachable front assy - 90DC942
28	4822 466 10643	Foam button CD	1220-2	4822 691 10366	Detachable front assy - 90DC932
39	4822 381 11443	Lens assy	1210	4822 459 50801	Car loader
1225-2	4822 256 30506	Support lamp T1	BOX	4822 600 70734	Box Detachable unit
1225-3	4822 256 92111	Housing LCD	IFU	4822 736 21877	DFU Multi-languages
1225-5	4822 466 83052	Shield metal			

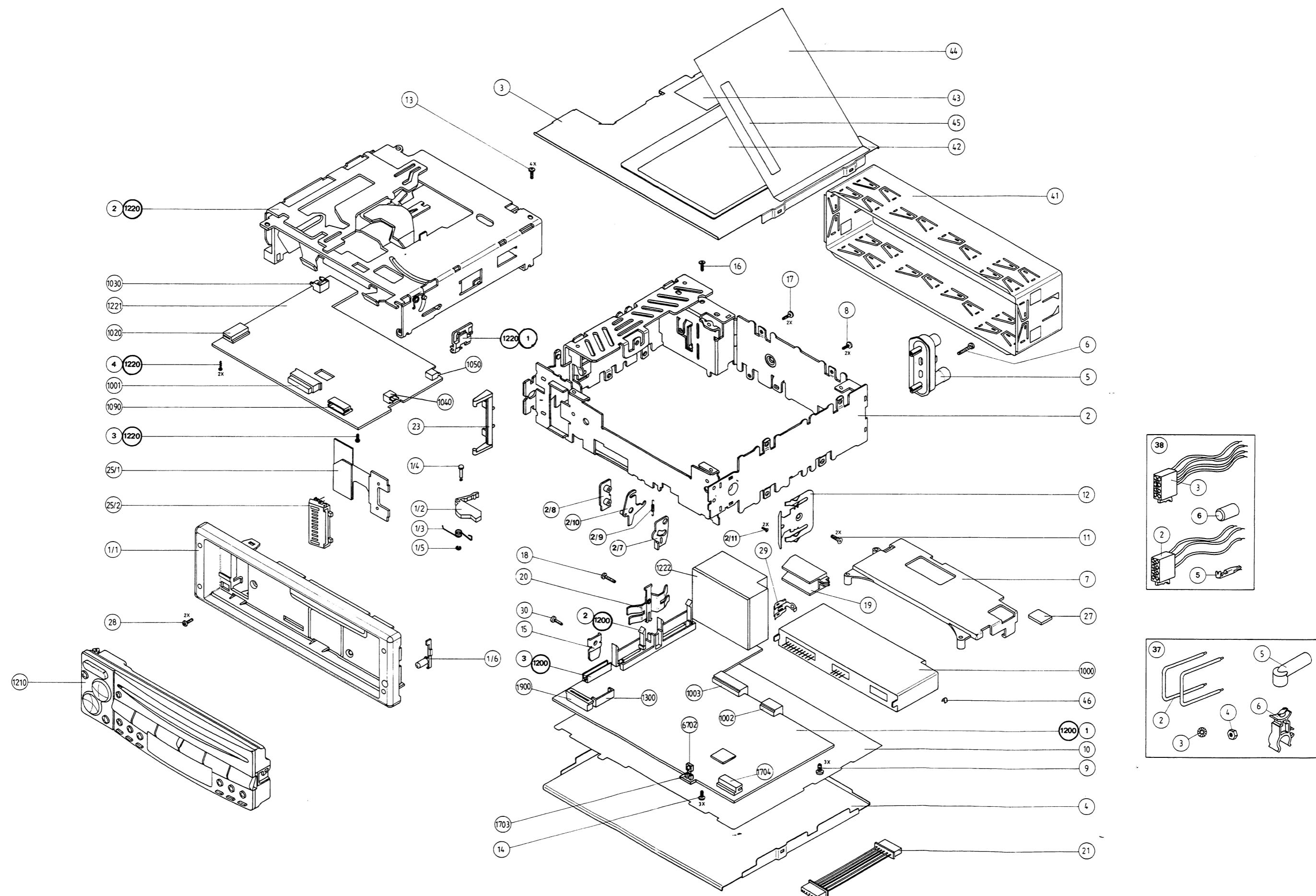
LIST OF SCREW

3 D2X8

LIST OF SCREWS

6	M2.5X12	17	M2.5X6
8	M2.5X0	18	M2.5X6
9	D3X8	28	M2.5X6
11	M3X6	30	M2.5X6
13	M2.5X6	2/11	M2X4
14	M2.5X6	1220/3	M2.5X5
16	M2.5X6	1220/4	D2X8

EXPLODED VIEW-SET



DETACHABLE FRONT BOARD

MISCELLANEOUS		
1800	4822 242 81588	Cerchip Res 12MHz
1801	4822 130 91288	LCD
1802	4822 267 51286	Connector Zebra
1804	4822 276 13454	Tact Switch 50mA 12V
1805	4822 276 13454	Tact Switch 50mA 12V
1806	4822 276 13454	Tact Switch 50mA 12V
1807	4822 276 13454	Tact Switch 50mA 12V
1808	4822 276 13454	Tact Switch 50mA 12V
1809	4822 276 13454	Tact Switch 50mA 12V
1811	4822 276 13454	Tact Switch 50mA 12V
1812	4822 276 13454	Tact Switch 50mA 12V
1813	4822 276 13454	Tact Switch 50mA 12V
1814	4822 276 13454	Tact Switch 50mA 12V
1818	4822 276 13454	Tact Switch 50mA 12V
1819	4822 276 13454	Tact Switch 12VDC 50mA
1820	4822 276 13454	Tact Switch 12VDC 50mA
1821	4822 276 13454	Tact Switch 12VDC 50mA
1822	4822 276 13454	Tact Switch 12VDC 50mA
1825	4822 276 13454	Tact Switch 12VDC 50mA
1826	4822 276 13454	Tact Switch 12VDC 50mA
1827	4822 276 13454	Tact Switch 12VDC 50mA
1828	4822 276 13454	Tact Switch 12VDC 50mA
1829	4822 276 13454	Tact Switch 12VDC 50mA
1830	4822 276 13454	Tact Switch 12VDC 50mA
1831	4822 276 13454	Tact Switch 12VDC 50mA
1832	4822 276 13454	Tact Switch 12VDC 50mA
1833	4822 276 13454	Tact Switch 12VDC 50mA
1834	4822 265 41352	Detachable Conn. 15P
1835	4822 134 41158	Lamp Assy Green
1836	4822 134 41158	Lamp Assy Green
1837	4822 134 41157	Lamp Assy Orange
1838	4822 134 41157	Lamp Assy Orange
-II-		
2800		15pF 5% NP0 0805
2801		15pF 5% NP0 0805
2802		0805 X7R 25V 100nF 10%
2803		1206 X7R 25V 220nF 10%
2804		1206 X7R 25V 220nF 10%
2805		0805 X7R 25V 100nF 10%
2807		1μF +80%-20% Y5V 1206
2808		1μF +80%-20% Y5V 1206
-		
3800		0805 RC11 180k 5%
3801		0805 RC11 10k 5%
3807		1206 RC01 680Ω 5%
3808		1206 RC01 680Ω 5%
-		
3809		1206 RC01 680Ω 5%
3810		1206 RC01 680Ω 5%
3811		1206 RC01 680Ω 5%
3812		1206 RC01 680Ω 5%
3813		1206 RC01 560Ω 5%
3814		1206 RC01 560Ω 5%
3815		1206 RC01 560Ω 5%
3816		1206 RC01 560Ω 5%
3817		1206 RC01 560Ω 5%
3818		1206 RC01 560Ω 5%
3819		1206 RC01 1k2 5%
3820		1206 RC01 1k2 5%
3821		0805 RC11 3k9 5%
3822		0805 RC11 3k9 5%
3848		0805 RC11 1k 5%
3849		0805 RC11 1k 5%
3850		0805 RC11 1k 5%
3851		0805 RC11 1k 5%
3858		0805 RC11 330Ω 5%
3859		0805 RC11 330Ω 5%
3860		0805 RC11 10Ω 5%
3861		0805 RC11 330Ω 5%
3862		0805 RC11 330Ω 5%
3863		0805 RC11 4k7 5%
3865		0805 RC11 47k 5%
3866		0805 RC11 100k 5%
3867		0805 RC11 47k 5%
3868		0805 RC11 5k6 5%
3896		1206 Jumper 0Ω
3897		1206 Jumper 0Ω
-		
6801	4822 130 80125	BZX84-C5V6
6802	4822 130 80125	BZX84-C5V6
6803	4822 130 80125	BZX84-C5V6
6804	4822 130 80125	BZX84-C5V6
6805	4822 130 83161	TLUG2401
6806	4822 130 82989	TLH02400AS-12Z orange
6807	4822 130 83161	TLUG2401
6808	4822 130 83161	TLUG2401
6809	4822 130 83161	TLUG2401
6810	4822 130 83161	TLUG2401
6811	4822 130 83161	TLUG2401
6812	4822 130 83161	TLUG2401
6813	4822 130 83161	TLUG2401
6814	4822 130 83161	TLUG2401
6815	4822 130 83161	TLUG2401
6816	4822 130 83161	TLUG2401
6817	4822 130 83161	TLUG2401
6818	4822 130 83161	TLUG2401
-		
6819	4822 130 83161	TLUG2401
6820	4822 130 83161	TLUG2401
6821	4822 130 83161	TLUG2401
6822	4822 130 83161	TLUG2401
6823	4822 130 83161	TLUG2401
6824	4822 130 83161	TLUG2401
6825	4822 130 82989	TLH02400AS-12Z orange
6826	4822 130 82989	TLH02400AS-12Z orange
6827	4822 130 82989	TLH02400AS-12Z orange
6828	4822 130 82989	TLH02400AS-12Z orange
6829	4822 130 82989	TLH02400AS-12Z orange
6830	4822 130 82989	TLH02400AS-12Z orange
6831	4822 130 82989	TLH02400AS-12Z orange
6832	4822 130 82989	TLH02400AS-12Z orange
6833	4822 130 82989	TLH02400AS-12Z orange
6834	4822 130 82989	TLH02400AS-12Z orange
6835	4822 130 82989	TLH02400AS-12Z orange
6836	4822 130 82989	TLH02400AS-12Z orange
6837	4822 130 82989	TLH02400AS-12Z orange
6838	4822 130 82989	TLH02400AS-12Z orange
6839	4822 130 82989	TLH02400AS-12Z orange
6840	4822 130 82989	TLH02400AS-12Z orange
6841	4822 130 82989	TLH02400AS-12Z orange
6842	4822 130 82989	TLH02400AS-12Z orange
6851	5322 130 31928	BAS16
6852	5322 130 31928	BAS16
-		
7800	4822 209 32891	87C528
7801	5322 130 41983	BC858B
7802	5322 130 41983	BC858B
7803	4822 130 42615	BC817-40
7804	4822 130 42615	BC817-40
7805	4822 130 42615	BC817-40
7806	4822 130 42615	BC817-40
7807	5322 209 11129	PCF8576T
7809	5322 130 41983	BC858B

Note : Service Code are not listed here for standard component, please refer to Components catalogue from Philips Consumer Service.

MAIN BOARD

MISCELLANEOUS		
11	4822 071 21003	Blade Fuse 10A-90DC942
11	4822 071 25002	Blade Fuse 5A-90DC932
1000	4822 214 52138	Tuner IC91 Module
1222	4822 290 81641	Connector Slide in-90DC942
1222	4822 290 61188	Connector Slide in-90DC932
1500	4822 242 80259	Crystal 4.332MHz
1700	4822 242 81606	Crystal 12MHz
1701	4822 242 81607	Crystal 4.194304MHz
1702	4822 242 81002	Cer Res 6MHz - 90DC942
1703	4822 256 30483	Connector Lamp
1901	4822 276 13461	Tact Switch 10mA 16V
1902	4822 253 30446	Fuse Chip 2A - 90DC942
- -		
2000		22nf 10% X7R 0805
2001		4n7 10% X7R 0805
2002		1nF 10% X7R 0805
2307	4822 124 23282	Elcap 1μF 20% 50V
2308	4822 124 23282	Elcap 1μF 20% 50V
2400		1nF 10% X7R 0805
2401		470pF 5% NP0 0805
2404		1nF 10% X7R 0805
2500		330pF 5% NP0 0805
2501		560pF 5% NP0 0805
2502		1206 X7R 25V 220nF 10%
2503	4822 124 23504	Elcap 2.2μF 20% 50V
2504		47pF 5% NP0 0805
2505		82pF 5% NP0 0805
2507		NPO 63V 820pF 5%
2508	4822 124 23504	Elcap 2.2μF 20% 50V
2509	4822 124 23504	Elcap 2.2μF 20% 50V
2510		0805 X7R 25V 100nF 10%
2511		0805 X7R 25V 100nF 10%
2512		150pF 5% NP0 0805
2513		150pF 5% NP0 0805
2514		1206 X7R 25V 220nF 10%
2515		150pF 5% NP0 0805
2516		150pF 5% NP0 0805
2518		1nF 10% X7R 0805
2519		1n5 10% X7R 0805
2520		0805 X7R 63V 10nF 10%
2521	4822 124 80765	Elcap 4.7μF 20% 35V
2524		22nF 10% X7R 0805
2525		10pF 5% NP0 0805
2526		390pF 5% NP0 0805
2527		4n7 10% X7R 0805
2528		1nF 10% X7R 0805
2600	4822 124 23504	Elcap 2.2μF 20% 50V
2601	4822 124 23504	Elcap 2.2μF 20% 50V
- -		
2602	4822 124 23504	Elcap 2.2μF 20% 50V - 90DC932
2603	4822 124 23504	Elcap 2.2μF 20% 50V - 90DC932
2604		4n7 10% X7R 0805
2605		4n7 10% X7R 0805
2606		4n7 10% X7R 0805
2607		4n7 10% X7R 0805
2608	4822 124 80499	Elcap 100μF 20% 16V
2610	4822 124 23281	Elcap 33μF 20% 16V
2650	4822 124 23504	Elcap 2.2μF 20% 50V - 90DC942
2651		4n7 10% X7R 0805 - 90DC942
2652	4822 124 23504	Elcap 2.2μF 20% 50V - 90DC942
2653		4n7 10% X7R 0805 - 90DC942
2655		0805 X7R 25V 100nF 10% - 90DC942
2656	4822 124 23308	Elcap 2200μF 20% 16V - 90DC932
2657	4822 124 80499	Elcap 100μF 20% 16V - 90DC942
2658	4822 124 80769	Elcap 2200μF 20% 16V - 90DC942
2658	4822 124 23308	Elcap 2200μF 20% 16V - 90DC932
2700	4822 124 41017	Elcap 10μF 16V
2701		0805 X7R 25V 100nF 10%
2702		0805 X7R 25V 100nF 10%
2703		470pF 5% NP0 0805
2704		0805 X7R 25V 100nF 10%
2705		18pF 5% NP0 0805
2706		56pF 5% NP0 0805
2707	4822 124 41017	Elcap 10μF 16V
2709		0805 X7R 25V 100nF 10%
2710		0805 X7R 25V 100nF 10%
2711		0805 X7R 25V 100nF 10%
2721		0805 X7R 25V 100nF 10%
2723		22pF 5% NP0 0805
2724		82pF 5% NP0 0805
2726		4n7 10% X7R 0805
2727		0805 X7R 25V 100nF 10% - 90DC942
2728		0805 X7R 25V 100nF 10% - 90DC942
2731		0805 X7R 25V 100nF 10%
2806	4822 124 41017	Elcap 10μF 16V - 90DC942
2807		1nF 10% X7R 0805 - 90DC942
2808	4822 124 23504	Elcap 2.2μF 20% 50V - 90DC942

2809	4822 124 22646	Elcap 47 μ F 20% 16V - 90DC942
2810		1nF 10% X7R 0805-90DC942
2811	4822 124 23504	Elcap 2.2 μ F 20% 50V - 90DC942
2812		22nF 10% X7R 0805
2813	4822 124 80453	Elcap 100 μ F 20% 10V 1206 X7R 25V 220nF 10%
2814		2n2 10% X7R 0805
2816		1206 X7R 25V 220nF 10%
2817		1206 X7R 63V 47nF 10%
2818		5n6 10% X7R 0805
2819		1206 X7R 63V 47nF 10%
2820	4822 124 22646	Elcap 47 μ F 20% 16V 1206 X7R 25V 220nF 10%
2821		2n2 10% X7R 0805
2823		1206 X7R 25V 220nF 10%
2824		1206 X7R 63V 47nF 10%
2825		5n6 10% X7R 0805
2826		0805 X7R 63V 10nF 10%
2827		Elcap 10 μ F 16V
2850	4822 124 41017	Elcap 10 μ F 16V
2851	4822 124 41017	Elcap 10 μ F 16V
2852	4822 124 41017	Elcap 10 μ F 16V
2853	4822 124 41017	Elcap 10 μ F 16V
2900		100pF 5% NP0 0805
2901		0805 X7R 25V 100nF 10%
2902	4822 124 80769	Elcap 2200 μ F 20% 16V - 90DC942
2902	4822 124 23308	Elcap 2200 μ F 20% 16V - 90DC932
2904	4822 124 80056	Elcap 47 μ F 20% 16V
2906		1206 X7R 25V 220nF 10%
2907		0805 X7R 25V 100nF 10%
2908	4822 124 41017	Elcap 10 μ F 16V
2909	4822 124 23282	Elcap 1 μ F 20% 50V
2911		0805 X7R 25V 100nF 10%
2912		1nF 10% X7R 0805
2913		0805 X7R 63V 10nF 10%
2914	4822 124 80766	Elcap 1000 μ F 20% 25V
2915	4822 124 80056	Elcap 47 μ F 20% 16V
2916	4822 124 80056	Elcap 47 μ F 20% 16V
2917	4822 124 80764	Elcap 10 μ F 20% 16V - 90DC942
2917	4822 124 23179	Elcap 10 μ F 20% 16V - 90DC932
2918	4822 124 80767	Elcap 470 μ F 20% 16V
2919		0805 X7R 25V 100nF 10%
2920	4822 124 41017	Elcap 10 μ F 16V
2921		22nF 10% X7R 0805
2928		0805 X7R 63V 10nF 10%
2929		0805 X7R 63V 10nF 10%
2930		22nF 10% X7R 0805
2933	4822 124 80056	Elcap 47 μ F 20% 16V

2935		22nF 10% X7R 0805
2936		0805 X7R 63V 10nF 10%
2937		0805 X7R 63V 10nF 10%
2938		1nF 10% X7R 0805
3000		0805 RC11 4 Ω 7 5%
3001		0805 RC11 4 Ω 7 5%
3002		0805 RC11 4 Ω 7 5%
3003		0805 RC11 22k 5%
3004		0805 RC11 100k 5%
3005		0805 RC11 1k 5%
3400		0805 RC11 4 Ω 7 5%
3402		0805 RC11 10k 5%
3405		0805 RC11 4 Ω 7 5%
3406		0805 RC11 10k 5%
3407		0805 RC11 10k 5%
3408		0805 RC11 33k 5%
3410		0805 RC11 10k 5%
3411		0805 RC11 10k 5%
3414		CRB R20 100k 5%
3500		0805 RC11 4 Ω 7 5%
3502		0805 RC11 2k2 5%
3503		0805 RC11 100k 5%
3504		0805 RC11 68k 5%
3505		0805 RC11 22k 5%
3506		0805 RC11 330k 5%
3507		CRB R20 22 Ω 5%
3508		0805 RC11 18k 5%
3509		0805 RC11 39k 5%
3510		CRB R20 3k3 5%
3511		CRB R20 3k3 5%
3512		0805 RC11 10k 5%
3513		0805 RC11 39k 5%
3514		0805 RC11 10k 5%
3515		0805 RC11 39k 5%
3516		0805 RC11 10k 5%
3517		0805 RC11 39k 5%
3518		0805 RC11 39k 5%
3520		0805 RC11 22k 5%
3523		CRB R20 3k3 5%
3524		0805 RC11 560 Ω 5%
3525		0805 RC11 10k 5%
3526		0805 RC11 68k 5%
3527		0805 RC11 10k 5%
3529		0805 RC11 220k 5%
3531		0805 RC11 100k 5%
3605		0805 RC11 4k7 5%
3606		0805 RC11 47k 5% - 90DC932
3608		0805 RC11 1k 5%

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3609	0805 RC11 1k 5%
3610	0805 RC11 1k 5%
3611	0805 RC11 1k 5%
3614	0805 RC11 1k 5%
3615	0805 RC11 22k 5%
3616	0805 RC11 68k 5% - 90DC932
3618	0805 RC11 4Ω7 5%
3650	0805 RC11 1k 5%
3651	0805 RC11 1k 5%
3653	0805 RC11 10k 5%
3654 4822 116 40254	PTC 330R 16V 1%
3655	CRB R20 22k 5%
3661	CRB R20 6k8 5%
3662	0805 RC11 15k 5%
3700	0805 RC11 1k 5%
3701	0805 RC11 100Ω 5%
3702	0805 RC11 47k 5%
3705	0805 RC11 10k 5%
3706	0805 RC11 10k 5%
3707	0805 RC11 1k 5%
3708	0805 RC11 1k 5%
3709	0805 RC11 1k 5%
3710	0805 RC11 10k 5%
3711	0805 RC11 10k 5%
3722	0805 RC11 100k 5%
3723	CRB R20 330Ω 5%
3728	0805 RC11 2k2 5%
3729	0805 RC11 1M 5%
3730	0805 RC11 1k 5%
3731	0805 RC11 22Ω 5%
3734	0805 RC11 100Ω 5%
3735	0805 RC11 4Ω7 5%
3736	0805 RC11 4Ω7 5%
3737	0805 RC11 1k 5%
3738	0805 RC11 4Ω7 5%
3739	0805 RC11 4Ω7 5%
3740	0805 RC11 4Ω7 5%
3742	0805 RC11 1k 5%
3743	0805 RC11 1k 5%
3744	0805 RC11 1k 5%
3745	0805 RC11 1k 5%
3747	0805 RC11 10k 5%
3748	0805 RC11 15k 5%
3749	0805 RC11 6k8 5%
3750	0805 RC11 6k8 5%
3751	0805 RC11 2k2 5%
3752	0805 RC11 15k 5%
3754	0805 RC11 10k 5%
3755	0805 RC11 10k 5%
3756	0805 RC11 10k 5%
3758 4822 116 40221	PTC 8Ω2 20%
3759 4822 116 40221	PTC 8Ω2 20%



3801	0805 RC11 4k7 5% - 90DC942
3802	0805 RC11 2k2 5% - 90DC942
3803	0805 RC11 100Ω 5% - 90DC942
3804	0805 RC11 4k7 5% - 90DC942
3806	0805 RC11 39k 5% - 90DC942
3807	0805 RC11 47k 5% - 90DC942
3808	0805 RC11 15k 5% - 90DC942
3809	0805 RC11 4k7 5% - 90DC942
3810	0805 RC11 2k2 5% - 90DC942
3811	0805 RC11 100Ω 5% - 90DC942
3812	0805 RC11 39k 5% - 90DC942
3813	0805 RC11 47k 5% - 90DC942
3815	0805 RC11 4k7 5% - 90DC942
3816	0805 RC11 4Ω7 5%
3817	0805 RC11 10k 5%
3818	0805 RC11 47k 5%
3819	0805 RC11 2k2 5%
3820	0805 RC11 47k 5%
3821	0805 RC11 2k2 5%
3822	0805 RC11 1k 5%
3823	0805 RC11 1k 5%
3824	0805 RC11 33k 5%
3825	0805 RC11 2k2 5% - 90DC942
3826	0805 RC11 10k 5%
3827	CRB R20 10k 5%
3850	0805 RC11 10k 5%
3851	0805 RC11 10k 5%
3852	0805 RC11 10k 5%
3853	0805 RC11 10k 5%
3855	CRB R20 10Ω 5% - 90DC942
3856	0805 RC11 33k 5%
3857	0805 RC11 4Ω7 5%
3900	0805 RC11 1k 5%
3901	0805 RC11 1k 5%
3902	0805 RC11 100k 5%
3903	0805 RC11 4k7 5%
3904	CRB R20 1k 5%
3905	CRB R20 1k 5%
3906	CRB R20 1k 5%
3907	0805 RC11 10k 5%
3908	0805 RC11 10k 5%
3909	0805 RC11 39k 5%
3910	0805 RC11 220k 5%
3911	0805 RC11 220k 5%
3912	0805 RC11 2k2 5%
3913	0805 RC11 220k 5%
3914	0805 RC11 10k 5%
3915	0805 RC11 10k 5%
3916	0805 RC11 220k 5%
3917	0805 RC11 47k 5%
3918	0805 RC11 47k 5%
3919	0805 RC11 22k 5%



3920	CRB R20 100k 5%
3921	0805 RC11 220k 5%
3922	0805 RC11 100k 5%
3923	0805 RC11 100Ω 5%
3924	0805 RC11 47k 5%
3927	0805 RC11 100k 5%
3928	0805 RC11 47k 5%
3929	0805 RC11 100k 5%
3930	0805 RC11 33k 5%
3931	0805 RC11 100k 5%
3932	0805 RC11 10k 5%
3933	0805 RC11 47k 5%
3934	0805 RC11 4Ω7 5%
3947	0805 RC11 220k 5%
3948	0805 RC11 100k 5%
3949	0805 RC11 1k 5%
3950	0805 RC11 4k7 5%
3951	CRB R20 10Ω 5%
3952	0805 RC11 1k 5%
3955	0805 RC11 4Ω7 5%
3956	0805 RC11 470k 5%
3958	0805 RC11 47k 5%
3959	0805 RC11 100k 5%
3960	0805 RC11 1k 5%
3961	0805 RC11 100k 5%
3962	0805 RC11 4Ω7 5%
3963	0805 RC11 1k 5%
3964	0805 RC11 100k 5%



5700	4822 157 50961	Coil 22μH 10%
5701	4822 157 60122	Inductor 4.7μ7 10%
5702	4822 157 60122	Inductor 4.7μ7 10%
5900	4822 157 70935	Coil Assy - 90DC942
5900	4822 157 70839	Choke Coil 160μH - 90DC932



6501	5322 130 34337	BAV99
6502	5322 130 34337	BAV99
6702	4822 130 82996	LED RED
6703	4822 130 32904	BZV85-C5V6 - 90DC942
6704	4822 130 32904	BZV85-5V - 90DC942
6705	4822 130 80125	BZX84-5V6
6706	4822 130 80125	BZX84-5V6
6800	4822 130 30621	1N4148 - 90DC942
6801	4822 130 30621	1N4148
6900	4822 130 81624	1.5KE27
6901	5322 130 30684	1N4002GP



6902	4822 130 30621	1N4148
6905	4822 130 34499	BZX79-C20
6906	4822 130 80291	1N4002GP
6907	5322 130 30684	1N4002GP
6908	4822 130 30621	1N4148
6909	5322 130 34337	BAV99
6910	5322 130 30684	1N4002GP
6911	5322 130 30684	1N4002GP
6912	5322 130 30684	1N4002GP
6913	5322 130 30684	1N4002GP
6916	4822 130 34488	BZX79-C11
6917	5322 130 31928	BA16
6919	5322 130 30684	1N4002GP



7400	4822 130 42705	BC847
7500	4822 209 31981	SAA6579T/V1
7501	4822 209 83159	LA2000
7502	4822 209 32742	TL074IN
7600	5322 209 14865	MC14066BCP - 90DC932
7601	4822 130 42705	BC847 - 90DC932
7602	4822 209 31132	TDA7374V
7603	4822 209 31132	TDA7374V - 90DC942
7604	5322 130 41983	BC858B
7605	4822 130 42705	BC847
7700	4822 209 32883	P89CE558
7703	5322 130 41983	BC858B
7704	4822 900 10479	ST24C16CB6 - DC942
7704	4822 900 10478	ST24C16CB6 - 90DC932
7706	5322 209 11461	HEF4521BT
7707	4822 209 32743	MSM6307GS - 90DC942
7800	4822 209 32745	TEA6320/V1
7801	4822 130 42353	BFS19 - 90DC942
7802	4822 130 42353	BFS19 - 90DC942
7803	4822 130 42705	BC847
7804	5322 130 41983	BC858B
7900	4822 130 40995	BD438
7901	4822 209 32866	L7805ABV
7902	5322 130 41983	BC858B
7903	4822 130 42705	BC847
7904	4822 130 40995	BD438
7905	4822 130 42705	BC847
7906	4822 130 41691	BC556B
7907	4822 130 42705	BC847
7908	4822 130 41691	BC556B
7909	4822 130 42705	BC847
7910	4822 209 33029	TDA3602/N3
7911	5322 130 41983	BC858B
7913	5322 130 41983	BC858B
7916	4822 130 40982	BD433

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7918	4822 130 42705	BC847
7919	4822 130 40982	BD433
7921	4822 209 10305	HEF4044BT

Note : Service Code are not listed here for standard component, please refer to Components catalogue from Philips Consumer Service.

CD BOARD**MISCELLANEOUS**

1200	4822 242 70831	Crystal 4.0MHz
1300	4822 242 81609	Crystal 16.9344MHz



2000		22nF 10% X7R 0805
2001		22nF 10% X7R 0805
2002		470pF 5% NP0 0805
2003		1nF 10% X7R 0805
2005	4822 124 80453	Elcap 100μF 20% 10V
2006		220pF 5% NP0 0805
2007		0805 X7R 25V 100nF 10%
2008		220pF 5% NP0 0805
2009		Polcap 63V 820nF 10%
2010		2n2 10% X7R 0805
2011		1206 X7R 63V 47nF 10%
2012		100pF 5% NP0 0805
2013		0805 X7R 63V 10nF 10%
2014		1nF 10% X7R 0805
2015		12nF 5% X7R 0805
2016		22nF 10% X7R 0805
2017		0805 X7R 25V 100nF 10%
2018		22nF 10% X7R 0805
2020		0805 X7R 25V 100nF 10%
2021		0805 X7R 25V 100nF 10%
2023		1206 X7R 25V 220nF 10%
2024		1206 X7R 25V 150nF 10%
2025		0805 X7R 25V 100nF 10%
2029		1206 X7R 25V 220nF 10%
2100		0805 X7R 25V 100nF 10%
2104	4822 124 80453	Elcap 100μF 20% 10V
2105		1206 X7R 63V 33nF 10%
2106		0805 X7R 25V 100nF 10%
2107		0805 X7R 25V 100nF 10%
2108		22nF 10% X7R 0805
2109		22nF 10% X7R 0805
2110		0805 X7R 25V 100nF 10%
2112		0805 X7R 63V 10nF 10%
2113		0805 X7R 25V 100nF 10%
2114		0805 X7R 25V 100nF 10%
2115		0805 X7R 25V 100nF 10%
2116		1206 NPO 63V 5n6 PM2
2117		0805 X7R 25V 100nF 10%
2118		1206 NPO 63V 4n7 PM2
2119		NPO 63V 910pF 2%
2121		0805 X7R 25V 100nF 10%
2122		1206 X7R 25V 120nF 10%
2123		1206 X7R 25V 120nF 10%
2200		0805 X7R 25V 100nF 10%
2201		1206 X7R 25V 120nF 10%
2202		27pF 5% NPO 0805



2203	27pF 5% NP0 0805
2204 4822 124 80453	Elcap 100μF 20% 10V
2300	2n2 10% X7R 0805
2301	47pF 5% NP0 0805
2304	0805 X7R 25V 100nF 10%
2305 4822 124 80453	Elcap 100μF 20% 10V
2306	22nF 10% X7R 0805
2307	220pF 5% nP0 0805
2308	0805 X7R 25V 100nF 10%
2309 4822 124 23582	Elcap 220μF 10V
2313	47pF 5% NP0 0805
2314	47pF 5% NP0 0805
2315	1206 X7R 25V 220nF 10%
2316	4n7 10% X7R 0805
2317	4n7 10% X7R 0805
2320	0805 X7R 25V 100nF 10%
2321	0805 X7R 25V 100nF 10%
2322	0805 X7R 25V 100nF 10%
2323	1206 X7R 25V 220nF 10%
2324 4822 124 80453	Elcap 100μF 20% 10V
2325 4822 124 80453	Elcap 100μF 20% 10V
2326	1206 X7R 25V 220nF 10%
2327	1206 X7R 25V 220nF 10%
2328	22nF 10% X7R 0805
2329	22nF 10% X7R 0805
2332 4822 124 23582	Elcap 220μF 10V
2333	0805 X7R 25V 100nF 10%
2334	0805 X7R 25V 100nF 10%
2336	22nF 10% X7R 0805
2337	0805 X7R 25V 100nF 10%
2338	0805 X7R 25V 100nF 10%
2339 4822 124 23282	Elcap 1μF 20% 50V
2340 4822 124 23282	Elcap 1μF 20% 50V
2341	2n2 10% X7R 0805
2342	2n2 10% X7R 0805
2344 4822 124 80453	Elcap 100μF 20% 10V
2345	22nF 10% X7R 0805
2346	470pF 5% NP0 0805
2347	470pF 5% NP0 0805
2348	100pF 5% NP0 0805
2349	100pF 5% NP0 0805
2400	0805 X7R 25V 100nF 10%
2500	0805 X7R 25V 100nF 10%
2501	0805 X7R 25V 100nF 10%
2601 4822 124 80453	Elcap 100μF 20% 10V
2602	22nF 10% X7R 0805
2603 4822 124 80453	Elcap 100μF 20% 10V
2605 4822 124 80453	Elcap 100μF 20% 10V
2606	22nF 10% X7R 0805



3000	0805 RC11 4k7 5%
3001	0805 RC11 100k 5%
3002	0805 RC11 22Ω 5%
3003	0805 RC11 22Ω 5%
3004	0805 RC11 100Ω 5%
3005	0805 RC12H 12k 1%
3006	0805 RC11 100Ω 5%
3007	0805 RC11 1k 5%
3008	0805 RC12H 24k 1%
3009	0805 RC12H 30k 1%
3010	0805 RC12H 2k2 1%
3011	0805 RC11 27k 5%
3012	0805 RC11 220k 5%
3013	0805 RC11 82k 5%
3014	0805 RC11 4Ω7 5%
3015	0805 RC11 10k 5%
3016	0805 RC11 22Ω 5%
3017	0805 RC12H 18k 1%
3018	0805 RC12H 12k 1%
3019	0805 RC11 22Ω 5%
3020	0805 RC12H 24k 1%
3021	0805 RC11 5k6 5%
3022	0805 RC11 22k 5%
3100	0805 RC11 4Ω7 5%
3101	1206 MPC01 5k6 1%
3102	MET FLM MRS25 2Ω20 1%
3103	1206 MPC01 5k6 1%
3104	0805 RC11 82Ω 5%
3105	1206 MPC01 5k6 1%
3106	0805 RC11 22Ω 5%
3107	1206 MPC01 5k6 1%
3108	0805 RC11 150k 5%
3109	0805 RC12H 18k 1%
3110	0805 RC12H 1k3 1%
3111	0805 RC11 10k 5%
3112	0805 RC11 220k 5%
3113	0805 RC11 22k 5%
3114	0805 RC12H 47k 1%
3115	0805 RC12H 18k 1%
3116	0805 RC11 22k 5%
3117	0805 RC11 47k 5%
3118	0805 RC11 2k2 5%
3119	0805 RC11 3k3 5%
3120	0805 RC11 10k 5%
3121	0805 RC11 10k 5%
3200	0805 RC11 22k 5%
3201	0805 RC11 22k 5%
3202	0805 RC11 47k 5%
3204	0805 RC11 1M 5%
3205	0805 RC11 4Ω7 5%
3300	0805 RC11 2k2 5%
3301	0805 RC11 22k 5%

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3302	0805 RC11 22k 5%	
3303	0805 RC11 4Ω7 5%	
3304	0805 RC11 2k2 5%	
3305	0805 RC11 4Ω7 5%	
3306	1206 Jumper 0Ω	
3311	0805 RC11 1M 5%	
3312	0805 RC11 47k 5%	
3313	0805 RC11 1k8 5%	
3314	0805 RC11 1k8 5%	
3319	0805 RC11 22Ω 5%	
3320	0805 RC11 47k 5%	
3323	0805 RC11 100k 5%	
3325	0805 RC11 22Ω 5%	
3326	0805 RC11 22Ω 5%	
3327	0805 RC11 1k 5%	
3328	0805 RC11 1k 5%	
3329	0805 RC12H 30k 1%	
3330	0805 RC12H 30k 1%	
3331	0805 RC12H 30k 1%	
3332	0805 RC12H 30k 1%	
3333	0805 RC11 10k 5%	
3334	0805 RC11 100k 5%	
3335	0805 RC11 100k 5%	
3336	0805 RC11 47k 5%	
3400	0805 RC11 150k 5%	
3401	0805 RC12H 5k6 1%	
3402	0805 RC12H 6k8 1%	
3403	0805 RC12H 1k 1%	
3404	4822 116 30426	NTC 4k7 3% 0.1W
3500	0805 RC11 4k7 5%	
3501	0805 RC11 1k 5%	
3502	0805 RC11 4k7 5%	
3503	1206 Jumper 0Ω	
3504	0805 RC11 22Ω 5%	
3505	0805 RC11 22Ω 5%	
3506	0805 RC11 4k7 5%	
3507	0805 RC11 4k7 5%	
3508	0805 RC11 2k2 5%	
3509	0805 RC11 5k6 5%	
3511	0805 RC11 3Ω3 5%	
3512	0805 RC11 10k 5%	
3513	0805 RC11 10k 5%	
3514	0805 RC11 330k 5%	
3515	0805 RC11 330k 5%	
3517	0805 RC11 47Ω 5%	
3601	0805 RC11 3k3 5%	
3603	0805 RC11 4Ω7 5%	
3605	0805 RC11 3k3 5%	



6100	5322 130 31928	BAS16
6200	5322 130 31928	BAS16
6501	5322 130 34337	BAV99
6502	5322 130 34337	BAV99
6601	5322 130 33671	BZX84-C6V2
6602	5322 130 80255	BZX84-C8V2



7000	4822 209 30146	L2722
7001	4822 209 73234	TDA8808T/C3
7003	4822 130 44257	BC547
7100	4822 209 62059	TCA0372DP1
7101	4822 209 31973	TDA8809T/C2/S1/13
7102	4822 130 42705	BC847
7103	5322 130 41983	BC858B
7201	4822 209 32889	MC68HC05C8CFB
7202	5322 209 14481	HEF4053BT
7302	4822 209 30388	SAA7341GP
7303	4822 209 32892	MSM5165ALP-85GS-K
7304	4822 209 30146	L2722
7305	5322 130 41983	BC858B
7306	4822 209 83163	LM833N
7400	4822 209 32894	LM258D
7500	4822 209 30146	L2722

Note : Service Code are not listed here for standard component, please refer to Components catalogue from Philips Consumer Service.